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HCUEW19	601	576513	1 - 344	15 - 358	AI801600, AW193265, AL041368, AI350211, T06828, AA553465, AW104748, AI625244, AI688846, AA652057, AA649642, AI284640, AA831527, AA513972, AI918421, AA503258, AA669251, AW301350, AW303196, AW274349, AA346458, AI367975, T40617, AW193432, AW236342, AI580652, AI367497, F18974, AI345654, AA719805, AI708009, AI298710, AI282832, AI434695, AI355206, AI610159, AA501600, AI281697, AI270117, AI446464, AW129001, AI634384, AI287651, AA228420, AW406659, AA688036, AA594145, AA347927, AA347930, AW088058, AI872227, AA079515, AA984708, AA719080, AI341664, AL041690, AI469172, AA493206, AA251117, AA649705, T71030, AA557879, AI886629, AI805607, AW021747, AI696962, AI266133, F29702, AA664015, AL044940, AA745582, AA551503, AA368936, AW072587, F19012, AA747472, AA367986, AA568778, AL046409, AA824655, AA824654, AW439558, AI471481, AI002834, AA252763, AL138265, T15977, AI431303, AW276827, AA515224, F36273, AI613280, AI340453, AL041412, AI565582, AI291124, AW062724, AI802526, AI160117, AW238278, AA563926, F33511, AA100599, AI282336, U51696, AI291268, AW338086, AA302963, AW339568, AI375710, AA723017, U18396, X54176, I51997, U57004, X55922, U18399, U18393, U18398, U57006, X55930, U18394, U57005, U57009, U18391, U18392, X55925, U18390, U14684, X55926, X54180, U18395, U14701, U57008,

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HCUEW58	602	850061	1 - 395	15 - 409	
HCUEW71	603	881372	1 - 198	15 - 212	
HCUEX58	604	462365	1 - 343	15 - 357	H59974, H80899, AL020997, AC007308, AC005081, AF045555, AC007637, AC004686, Z95113, AC004953, Z81369, U95739, AC005049, AL079295, AC002302, AC004491, AL122020, AC005488, AL049869, AL008721, U89337, AC003009, AL031584, AF152365, AF222686, AC006013, AC003663, AC005325, AC007938, AC004854, AC006515, Z99570, AL117337, AL121655, AC005005, AF190631, AC006115, AP000510, AL022316, AC006101, AC007785, AL008726, AC004859, AC005391, AC005102, AL031311, AL132992, AC004477, AC004104, AC004019, AL080243, AL132777, AB023048, AC005632, AC009721, AC007263, AL022343, Z74617, AC006111, AC005971, U07562, AC004685, AC003029, Z82208, AC006271, AC005899, AC004832, AF064861, AL022318, AJ246003, AD001527, Z97054, Z93930, AC005288, AC003689, AC004762, AL109758, AC005015, Z98946, AC006040, AF001549, AC005011, AL121658, AC004893, AJ003147, AC004785, Z84467, and AC002369.
HCUEX74	605	953897	1 - 326	15 - 340	AF150416.
HCUEY29	606	920419	1 - 378	15 - 392	
HCUEY48	607	576519	1 - 387	15 - 401	R24915, N32878, R07374, AA748826, AA772016, AI287921, AI051037, AA626829, AA569065, AA745356, H91844, N64587, AA879053, AA055601, AI984593, AW271917, AA657416,

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HCUEZ88	608	576537	1 - 326	15 - 340	AI028483, and AW023910.
HCUFA05	609	932116	1 - 385	15 - 399	Z93023.
HCUFA38	610	675677	1 - 324	15 - 338	AA626710, AW138429, AI087993, AI077877, N69907, AA657613, AW162236, AI161164, AI356294, and AC004067.
HCUFB15	611	660460	1 - 257	15 - 271	
HCUFB89	612	746601	1 - 305	15 - 319	
HCUFC22	613	951134	1 - 306	15 - 320	
HCUFD09	614	625728	1 - 292	15 - 306	T64920.
HCUFG64	615	576574	1 - 102	15 - 116	
HCUFH32	616	920281	1 - 227	15 - 241	AA679737.
HCUFK94	617	722999	1 - 175	15 - 189	
HCUFL02	618	932429	1 - 447	15 - 461	AC000159, and AB007864.
HCUFL15	619	575844	1 - 448	15 - 462	
HCUFL35	620	677853	1 - 413	15 - 427	
HCUFL77	621	575843	1 - 357	15 - 371	R98755, R98754, AA642005, and AW292993.
HCUFM60	622	730707	1 - 444	15 - 458	R09221.
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HCUFM65	623	576809	1 - 452	15 - 466	R47962, AA731533, and AI950023.
HCUFN65	624	741927	1 - 487	15 - 501	AA046457, AI373707, AI864613, AA054000, and AA015959.
HCUPP13	625	576582	1 - 339	15 - 353	
HCUPP76	626	861703	1 - 293	15 - 307	
HCUPP91	627	575864	1 - 140	15 - 154	
HCUFQ80	628	709357	1 - 455	15 - 469	R89560, AA483606, AA570740, AA568204, AA664126, AI250262, N63755, AW083408, Z22963, AA015948, AA768179, AA482725, R89906, T05684, AW152348, AA565679, AA302978, AA633981, AI114772, AI866911, AA503018, AW002330, AA731361, AA487209, AW151018, AI821382, AI820534, H56703, AL120052, AA626411, AI801649, T50251, AA676592, AA810837, AL039801, AA229823, AI065038, F35684, AA228979, AI804539, N24909, AI889579, T51436, AW272815, AA572921, T63030, AA515723, N71619, AA564925, AA837771, AA745297, F31811, AA297006, AI800345, T05617, AW419126, H62923, AI709180, AA228442, AA862075, R34070, AW021608, AA507343, AI791437, N37070, AI732483, F00949, AL041895, H07953, H69653, N95817, AL206078, AL048838, AL041019, AL048825, AA177013, H59651, AW409763, AP000163, AB022537, AC005841, AL031228, AC005858, AB019437, Z95704, AC005192, AC002377, AC003083, AL035494, AC005799, AC004986, AL031432, AC005632, AC004772, AF109907, Z97180, AC005837, AC006406, AC004858, AC004987, AL031277, AC002550, AC003007, AC005820, I34294, AP000548, AC000120, AP000365, AC007277, Z93023, AL022721, AC005089, AC004855, AF139813, AC006597, AC006512, AC007731, AC005500, AC005575, AL096701, AC004910, AC004526, AL096712, AC007227, Z83844, AP000561, AC006030, AP000116, AL049872, AL050318, AC005057, AL109980, AC004033, AC003025,

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HCUFT26	629	575721	1 - 426	15 - 440	AC007879.
HCUFU36	630	575831	1 - 251	15 - 265	
HCUFU49	631	953896	1 - 337	15 - 351	AW403674.
HCUFU58	632	725891	1 - 444	15 - 458	AA088560, AI733762, AI733719, and AA053641.
HCUFU68	633	694410	1 - 312	15 - 326	AA077835, AI149915, AC005914, AC007785, AC005082, and AC006371.
HCUFU91	634	828083	1 - 323	15 - 337	
HCUFV13	635	578459	1 - 357	15 - 371	AA361129.
HCUFV44	636	576650	1 - 322	15 - 336	AA618332, and AC004883.
HCUFW41	637	850007	1 - 571	15 - 585	T65857, AI678013, R44293, R40978, H24231, F01849, AW177822, T92856, AW177816, AC006537, U73166, AC006512, AC000353, AC005102, AC004685, and AC004458.
HCUFW61	638	862086	1 - 442	15 - 456	AL031666.
HCUFW75	639	575830	1 - 307	15 - 321	T08386, AI636734, AA947369, AA077619, R34070, AA830070, AW151018, F09355, AA598605, AI799421, AI459943, AW019964, AI271762, AA565319, AA612727, AL121287, AA788592, AA721554, AA664126, AW408767, AA745302, AA742818, AA878407, AA938390, AI052776.

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HCUFW83	640	577263	1 - 401	15 - 415	
HCUFX24	641	577266	1 - 178	15 - 192	AW449501, and AI751021.
HCUFX74	642	850067	1 - 564	15 - 578	
HCUFY27	643	669876	1 - 112	15 - 126	
HCUFY35	644	577130	1 - 337	15 - 351	AW339568, AW270284, AI305766, AI298977, AI565581, AW102955, AI345522, AA658235, AI357551, AI203955, AI344844, AL120008, AI340453, AI557323, F33121, AI708009, N69962, AI937850, AA225201, AI379719, W07122, AI110848, AI880168, AA657741, AI053786, AI254338, AI349874, AL134330, AA993198, AI801591, AI084012, AW169687, AW403720, AI345654, AW265009, AI802526, AA581903, AA569284, AW327360, AI697353, AA369477, AA484148, AF034176, AI423941, AI473943, AI889765, AI161293, AI923140, AI924251, AI888110, AI890928, AI890570, AW157326, T71998, AI225141, AW265294, AI358571, AL043756, AA715362, AA251117, AA715270, N43757, AL023575, AL031675, Z98950, AC006211, AL033397, AL049780, AC007055, AC006146, AL034419, AP001039, AC007540, AC005544, AF042090, AC005226, AL033381, AC005906, AC005245, X13921, AC002536, AL021391, AC002430, AC007384, AL049557, AP000295, AL109754, AC005856, Z85996, Z95113, AL022318, AC005684, AL022396, AC002394, AF091512, AC005548, AJ003147, AC004381, AL031311, AC003087, AC004228, AC022517, AP000354, AC007917, AC005821, U63721, Z82194, AC005274, AL137191, AC005386, U07000, AF011889, AC005772, AC004408, AL022147, AC006037, AL031668, Z98049, Z98257, AC007160, AL121580, AL031447, AC007652, AL034376, AC004770, AC006213, AF064866, AB015752, AF029308, AC005722, AL109758, AL132987, AC005070, AP000356, Z84814, AC006840, AC002470, AL034350, AC006996, AC005005, AC005912, AC008012, AL031368, AL034370, AC002070, AC007878, AP000245, AD000684, Z97205, AC009405, AL021977, AF001552, AC005664, AP000958, AC005697, Z93942, AC005820, Z94044, AC005694, AP000566, AC004887, AP000120, AP000167, AP000052, AC004941, AP000961, AC006253, AC006547, and AC005220.
HCUFY40	645	967273	1 - 194	15 - 208	
HCUFZ81	646	878882	1 - 346	15 - 360	
HCUGB48	647	880730	1 - 470	15 - 484	W24312, AA634926, F11421, AW007247, H60486, AA569089, AA938390, Z95331, AC006441, AL022316, AF111168, AL035659, AC012384, AC002378, AC002565, AC007546, AL079342, Z99716, AC005952, AC005225, AC005722, AL109627, AC004876, AP000356, Z83840, AC002119, AL109657, AC005822, AC005736, AC005089, AD000813, AC007066, AL049856, AC004832, AL080243, AL096791, AP000349, AL049709, AC005091, AC007011, AP000113,

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HCUGC96	648	575825	1 - 546	15 - 560			R64618, and R64619.
HCUGD15	649	660343	1 - 429	15 - 443			AI821309, T57758, AI820666, T91659, AI732244, T93260, AC007344, AC002542, AL139054, and AL109946.
HCUGF18	650	666495	1 - 309	15 - 323			
HCUGF61	651	741842	1 - 393	15 - 407			AC009411.
HCUGG25	652	678112	1 - 164	15 - 178			
HCUGH01	653	916600	1 - 316	15 - 330			R09190.
HCUGH30	654	778735	1 - 436	15 - 450			AI248117, N34987, and AI242866.
HCUGH34	655	706469	1 - 300	15 - 314			
HCUGH83	656	862078	1 - 188	15 - 202			AP000011, and AP000153.
HCUGI29	657	584711	1 - 669	15 - 683			AA011550, AA854029, AI808348, AA448255, H61005, AL035067, AL121934, and AC0000004.
HCUGI54	658	715310	1 - 154	15 - 168			
HCUGI35	659	850046	1 - 280	15 - 294			AF150363, U25791, and Z64124.
HCUGK10	660	850035	1 - 347	15 - 361			AW131457, AI792578, AI054419, A720732, AI244356, AW008089, U95742, AL121603, U91326, AC002544, AC004019, AL022476, AC005527, AC005668, AL034420, AC005670, AC008044, AC007216, AL031255, AL133245, AP000501, AC005971, AC006486, AC003104, AC010169, Z97205, AL022336, AC005484, AC005529, AL109985, AC006948, AL096791, AC003101, AC002312, AC004967, AL121658, AC005031, AC002470, U80017, AL109827, Z81364, AC005921, AC005839, AF205588, AP000105, AP000037, AL049795, U47924, AL117337, AP000354, AC002369, AF190465, AL031670, AF134726, AC005291, AC006441, AC005399, AP000228, AC006241, AC007201, AP000140, AC003688, AC005800, AC004230, AC006312, AC006384, AP000275, AC006511, AC006538, AC007386, AL021368, AL049776, AP000088, AC005482, AC006972, AC005412, AR036572, U91328, AC004655, AC006116, AC004526, AC005841, AC005539, AL049869, and AE000658.
HCUGK91	661	790218	1 - 135	15 - 149			AI049931, AA133226, and AC007685.
HCUGL14	662	658467	1 - 313	15 - 327			F33566, N71930, AL042753, AI888008, AI499094, AC002119, AC005772, AL031589, AF165926, AC006241, AC007676, AL031587, AC012599, AC005730, AL008582, AC005057, AC009248, U62293, AC005527, AC004686, U85195, AC006273, AL021154, AL035414, Z98051, AL133245, AE000658, AL096701, AL035684, AL050333, and AC002115.
HCUGL84	663	496491	1 - 304	15 - 318			
HCUGM08	664	959488	1 - 364	15 - 378			T63954, AA648150, AW438856, W04941, AW236344, H85059, AI016704, AA188665, AW277253, R44641, AA714586, AA593471, AI472075, R70333, AA297698, AA043218,

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HCUGN12	665	970727	1 - 444	15 - 458	AA702118, AW381452, W95006, W95007, and AC002375.
HCUGO02	666	920154	1 - 340	15 - 354	AA127364, AC004033, AC005500, AL049856, AC007731, Z98941, AC002477, AC006088, AC002390, and AL021391.
HCUGP83	667	850029	1 - 206	15 - 220	AC002559.
HCUGQ16	668	917269	1 - 343	15 - 357	Z54621.
HCUGQ18	669	666474	1 - 353	15 - 367	AI686509, AI670941, AI380740, AI652572, AI810486, AA251386, and AF070587.
HCUGR38	670	706471	1 - 332	15 - 346	
HCUGR82	671	916538	1 - 425	15 - 439	AA492380.
HCUGT92	672	692730	1 - 349	15 - 363	
HCUGU46	673	666815	1 - 200	15 - 214	
HCUGV38	674	850032	1 - 361	15 - 375	R96187, AA327572, R96188, AA582056, AW084237, A1791180, AI821138, AA508578, AW194802, AI623499, AA649148, AI932902, AA707289, AA669816, H54292, AI889612, AI623423, AA573189, AL041364, AA085863, AA380599, AA357240, AA078084, AA594725, AI926366, N54179, AI446638, T61853, AI660594, AA365144, AA584749, AI124660, AA650135, AA864575, AA806762, AA524668, AI863399, C14600, AI064952, AI963720, AA516326,

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HCUGV60	675	496443	1 - 412	15 - 426
HCUGW04	676	960596	1 - 257	15 - 271

						AI526179, AI541535, AI557789, AI541490, AI526127, V00124, V00125, J00032, J00030, J00036, J00034, J00037, J00038, AB010555, and AB010556.
HCUGY26	677	953550	1 - 480	15 - 494		T86914, R11217, H81306, AL035495, AC005325, AC004836, AP000350, and AC020663.
HCUGZ15	678	792418	1 - 363	15 - 377		AA580889, F35659, AI446464, AI064864, H29303, AA610491, AI792108, AI079129, AW274349, AW303196, AW301350, W45336, R89436, AW338086, AA663306, AI886629, N27353, AA847997, T06652, AI872460, AA558227, Z81364, AL080243, AP000558, AP000557, AC009516, AC006016, AC007556, AP000556, AP000552, AC008372, D87001, D88268, AC007021, AC005574, AC004741, AC006019, D87675, AC004614, AC005542, Z84487, AC004859, AF011467, AL031686, AC006441, AL035411, AP000141, Z75894, Z75895, AC004467, AC006313, AP000088, AC004814, AL031122, AC005071, Z98884, AF090944, AL008582, AC004702, AC004894, AL031662, AC005899, AC000035, AC005049, AC004821, AC005690, AC004448, AC007934, AC005971, U95743, AL109963, AL024474, AP000104, AP001052, AC006925, AC006211, Z49236, AC006561, AC002369, Z84480, AC002456, AI010598, AL031276, Z98052, AC002981, AC005531, AL035695, AL079340, AL031666, AL049856, AC006600, AL109847, U66059, AC004841, Z85987, AL133245, D86999, AC000090, AC006292, AL050332, AC006203, AF111168, AL023713, AC008984, AC004777, AL031767, AL022337, AC005799, Z84488, AC002289, AC002485, AC010072, and AL078593.
HCUHA63	679	745094	1 - 296	15 - 310		AA494014, AI628859, AL041352, AW002330, AL035249, AC009247, AL121757, AC006057, AL121769, AC004217, AC004134, AL050341, AC006449, AC004143, AC005284, AC002369, AC005351, AC000120, AC005206, AC005667, U80460, Z83822, AC006315, and AC002128.
HCUHA74	680	576850	1 - 434	15 - 448		AA629699, AP000346, AP000347, AL021368, and Z79145.
HCUHB30	681	850018	1 - 438	15 - 452		AW440928, N58862, AA613460, and Z97989.
HCUHC25	682	920830	1 - 305	15 - 319		W39262, AI797360, and AI823657.
HCUHC41	683	712343	1 - 354	15 - 368		Z98036.
HCUHC45	684	671212	1 - 354	15 - 368		
HCUHC69	685	693007	1 - 189	15 - 203		
HCUHD50	686	650854	1 - 398	15 - 412		
HCUHD55	687	705384	1 - 479	15 - 493		AW419262, AI284640, AW238016, AI053672, AA559290, AA077776, AI536625, AA837771, AA614069, AI653886, AA365302, AW021917, AW419389, F32926, AI499938, F24728, AI926233, AI761471, AI299050, AI334443, AA167741, AA302963, AA489775, AW023111, AA526724, AA843450, AI915081, AI357823, AA652057, AA346586, R67701, AA804379, AA528500, AA973803, T80500, AW248940, AI185394, AI754291, H67172, AI561116, R91994, AL046746, AA486820, Z23147, Z61362, AC004126, AL109627, AL031255, AC006948, AC000134, U02058, AC005482, Z99755, AC006270, Z82244, AC006057, AC006125, AL031281, X54176, AL133353, AL031732, AC004526, X54181, X54178, AC006511, AL031432, I34294, AP000115, AC005317, AC002492, AC002316, AC002990, Z84476, AC005747, AC005291, AC005378, AC006070, AL035659, U89337, AL031055, Z84488, AL135744, AL031587,

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HCUHE23	688	675910	1 - 314	15 - 328	
HCUHE31	689	693311	1 - 340	15 - 354	AA127426, AW023990, AA080866, AL031591, Z97056, AF131217, AC005512, X60653, AC004858, AC016831, AL096703, AF165147, AP001052, AC006088, AC005031, AC004084, AC005281, AC008132, AL031542, AC004999, U80017, AC005920, AF087913, AC005180, AF200465, AC005242, AC005189, AC007686, AC005908, AC005529, AL035422, AC005829, AC002477, AC008018, AC006064, AL050332, AP000493, AC008033, AC000025, AC004972, AB023049, AL035658, AC005695, AL096791, AP000555, AD000090, and AC006023.
HCUHE43	690	754187	1 - 314	15 - 328	
HCUHE48	691	835917	1 - 397	15 - 411	AI800436, AA746360, and AI800456.
HCUHE76	692	666599	1 - 319	15 - 333	AC002492.
HCUHF12	693	970685	1 - 543	15 - 557	AL023096.
HCUHF41	694	878528	1 - 529	15 - 543	AI254913, AA547947, AW302080, AW302087, H82133, AA846952, AI932599, AA569661, AI082791, AL119691, AI253007, AI470239, AA507612, AI751216, AW303096, AW268291, T60681, AW410354, AI382825, AA491681, AI278972, AA569471, AI002941, AI923333, H90844,

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HCUHH14	695	658452	1 - 197	15 - 211	AI695562.
HCUHI34	696	923803	1 - 503	15 - 517	
HCUHI54	697	720378	1 - 311	15 - 325	
HCUHI12	698	970782	1 - 205	15 - 219	AL031708.
HCUHI15	699	577304	1 - 418	15 - 432	AC003007, and AC005632.
HCUHI30	700	966583	1 - 568	15 - 582	
HCUHI58	701	575796	1 - 387	15 - 401	
HCUHM44	702	615198	1 - 95	15 - 109	
HCUHM61	703	576561	1 - 472	15 - 486	

HCUHM94	704	736095	1 - 250	15 - 264	AC002302.
HCUHO60	705	576563	1 - 258	15 - 272	AP000313, AP000193, AP000050, and AP000117.
HCUHP20	706	669737	1 - 384	15 - 398	AA122006, AA122007, AI733856, AI753365, AI254779, AW419262, AL039187, AI017251, AW274078, AA482711, AA584489, AI634187, AI862716, AW193493, AA527209, AA503019, AW117740, AW069227, AW271069, AA610509, AA410788, AW162049, N73060, AA579179, AI929531, AA634837, AA315361, AA574442, AI250552, AA742815, AI284543, AI457313, AI912401, AI040051, AI079901, H30475, AA483606, AL079734, AI254770, AA287570, AI251284, AI251034, AI251203, AI223626, AI249853, AA652868, AA570740, AA613627, H47736, T50676, AW029038, AI679413, AI380617, AI569086, AI004591, AI469599, AA856961, AA582554, AA228778, AW167154, AI821044, AA255853, AA904275, AL120343, AW067788, AA513846, AI079423, AI475611, AA904211, AI962050, AW068007, AI885572, AI908093, AI623805, AW302048, AI564209, AI338426, AI365988, AI687206, AI653886, AI053978, AI884522, AI339850, AI570261, AA019973, AI270476, AA558366, AA568204, AA013168, AI276298, AA569706, AW406755, AW068008, AI358229, AW166815, AW004884, AI866580, AI732120, AW089950, AC000353, AF024534, AC007666, AC005086, U91321, AC005291, AC005678, AC002126, Z82203, Z95152, AC006211, AP000510, AC004895, AC005071, AB023048, AC004417, AC005412, AC005531, AC002070, AC004099, AL034351, AC005102, AL117340, AL035450, AC006312, U63721, AC006511, AC007193, AC005411, I34294, AC006314, AC007199, AC005484, AL109627, AB003151, AL031680, AC004797, AF109907, AF111168, AC007395, Z84480, AC009247, AC007686, AI139054, AC005777, U82828, AL023803, AC005837, AF196969, AC006084, AC005800, AC005225, M87914, AP000556, AP000557, AC005722, AC004253, AC005971, AC005274, AF085946, AC006088, AL049830, AL035658, Z97054, Z85986, AP000289, Z84466, A39972, AC005520, AP000042, AP000110, AC005736, AC004999, AC002312, AC005089, AL031281, AC005237, AL031282, AL109865, AP000688, AL034418, AL049749, AC003047, AC005081, AL121603, Z98946, Z84487, AP000501, AL121652, AL021546, AC004477, AC004491, AC004953, U95739, AL049843, AC004890, AC002519, AF015160, AC000087, AL096791, AL033392, AC003111, AL035458, AF134726, AL035587, AC004517, AC004973, S75201, AC006947, AC007225, AC005015, AF045555, AC006538, AC004686, AL021391, AL049874, AL022165, AC002310, L78810, AC005220, AF196779, AC007551, AC005075, AC004263, AL035682, AP000694, Z98048, Z94801, AC012627, AC006597, AL035415, AC005859, AC005696, AB001523, AC004812, AC005300, AC004985, AC004841, AJ003147, AD000813, AC007065, AP000037, AC002997, AC004804, Z85987, AP001053, AC006581, AC007785, AP000211, AP000133, AC005037, AC005829, AC006121, AC016831, AC007845, AC006006, AC002563, AP000113, AP000045, AC003950, AL031685, AC004168, AL034420, AL049776, AC008545, AF165926, AC004884, AC005057, AF092858, Z77249, AC007226, AC004882, AC005529, AL133448, U96629, AC002565, Z98304, AC003043, AC004000, AC004234, Z83845, AP000088, AC005363,

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HCUHQ13	707	575803	1 - 352	15 - 366	AA460896, W72144, AA210943, N27422, AA496897, AL035413, and AL035249.
HCUHQ33	708	575800	1 - 341	15 - 355	AI281622, T95073, H52431, AC006077, AC005412, AC005911, AL033392, AC005736.
HCUHQ37	709	850010	1 - 386	15 - 400	AL031291, AC005529, AL109963, AC005049, AC005071, AC005089, AC005899, AC006111, AC005520, AC004491, AL133245, U91326, AC005015, U91323, AL023807, AC006261, AC006487, AC005295, AC008372, AC009247, AC005874, AF134471, Z93244, Z93930, AC003108, AC004938, AC002404, AC004882, AC005081, AC006312, AC003070, AP000514, AL096701, AC005255, AL049776, AP000692, AL020997, AF165926, AC005544, AC005332, AC007537, U95742, AC005399, AL096678, AL049795, AL022318, AC007205, AF196971, AC005225, AF124523, AC004814, AC006449, AC007263, AC009516, AC005088, AL109827, AC004139, AC004098, AC002429, AL049869, AC005722, AC002544, AC005527, AC006538, AC004922, AF118808, AL031311, AL035422, AL022323, L78810, AC007055, AP0000952, AC007993, AL109627, AC005280, AC005881, AP000045, AP000113, AC005921, AL135744, AP000556, AP000502, AC004876, AC003109, AC005932, Z99716, AD000092, AC007226, AL031447, AC005480, AF111168, AC005694, AC007216, AC004893, AC002565, AL139054, AL031587, AP000512, AC002310, AC004596, U85195, AF134726, AP000557, L47334, AC005207, AC000353, AC007193, AC002550, and T97461.
HCUHQ74	710	765638	1 - 341	15 - 355	AW020154, AW245057, AW023511, AA365318, AI648433, W63553, AA643451, AA659200, N62666, AA559166, AA171892, AI086039, AA584756, AW029444, AA633039, H43183, AI049504, AA643441, AI628245, AA330380, AI890753, AI635819, AA230155, AW130427, AI733748, AA278496, AI732430, AI049986, AA126763, AA126811, R63003, AL134330, AA993198, AI753365, AI922850, AC005701, AC005777, AC004242, AL031668, AP000113, AC003982, AL022336, AC006480, AL022324, Z83843, AC007057, AL022302, AC004386, AC007308, AC005932, Z97183, AC004382, AP000512, AF037438, AC005295, U91326, AL008639, AC002470, AL121825, AL049759, AC007192, AB023051, Z82194, AL049569, AC016027, AL020993, AP001046, AC006165, AL031276, AC005756, AC016830, Z97054, AP000354, AL022329, AC006441, U18671, AC007136, U37761, AC005874, AF134471, L34079, AF129756, AC005488, AL109801, AC006487, AC005081, Z99716, AE000660, AC006077, AC004467, AP000303, Z98941, AP000349, AC005412, AL031311, AC005529, AC002477,

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HCUHS19	711	566809	1 - 280	15 - 294	R44293, R40978, H24231, A1678013, T65857, F01849, AW177822, AW177816, AC006537, AC000353, AC006512, and U73166.
HCUHS60	712	850009	1 - 272	15 - 286	
HCUHT21	713	577265	1 - 122	15 - 136	AI207507.
HCUHT56	714	722649	1 - 447	15 - 461	AA459655, AC006125, AF196779, AC002425, AC005529, AP000511, AC005778, U96629, AL049576, AC005924, AC007688, AC009294, AL022726, AC005726, AC006538, AC004084, AL008730, AL021155, Z98036, U93305, AC004685, and Z99716.
HCUHU68	715	577795	1 - 212	15 - 226	Z98883.
HCUHW54	716	730716	1 - 100	15 - 114	
HCUHW59	717	739329	1 - 164	15 - 178	AW275339, and AI879909.
HCUHY49	718	577887	1 - 288	15 - 302	
HCUJA48	719	721719	1 - 470	15 - 484	
HCUJ35	720	713818	1 - 490	15 - 504	U91320.
HCUJL80	721	577172	1 - 100	15 - 114	AC005200.
HCUJM51	722	725724	1 - 441	15 - 455	AI821342, T65972, T62955, AL039515, AI820553, AW272389, AA135761, AI969090, AA197089, AI581006, AA955031, AA558488, AI889177, AA340581, AI250333, AI310787, AI310670, AI349130, AI857834, AI174827, AA525156, AA525331, AA507623, AW366198, AW008217, AI150934, AI590442, AA493546, AA809104, AI821945, AI733856, AW192518, N35135, AA598605, AI090377, AW069227, AI049504, AA714389, AI309943, AI754037, AC004893, AC004859, AC003689, AL109798, AC005484, AL096791, Z85986, AC005725, AC006539, AC005529, AC005913, AP000501, AC006241, AC005225, AL022322, AC005828,

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HCUIN18	723	666537	1 - 273	15 - 287	
HCUO82	724	883812	1 - 323	15 - 337	
HCVAC18	725	889480	1 - 219	15 - 233	
HCWAA20	726	669991	1 - 108	15 - 122	
HCWAB01	727	921689	1 - 320	15 - 334	AW070506.
HCWAB44	728	669714	1 - 313	15 - 327	AA584207, AL031680, AC007688, AP000692, AC004910, AC005088, AC004491, AB003151, AC005071, AC005015, AL022326, AC005409, AC005081, AL020995, AP000688, AC006468, AC005768, AC009247, AL109839, AC012384, AF053356, AC005179, AP000167, AP000052, and AL031848.
HCWAB50	729	724684	1 - 139	15 - 153	

HCWAB56	730	507283	1 - 311	15 - 325	
HCWAB67	731	529658	1 - 112	15 - 126	
HCWAB80	732	959937	1 - 415	15 - 429	AA654766, AC005874, AF134471, AC005211, AC008044, AF030876, U52112, Z97054, and AF031078.
HCWAB92	733	523447	1 - 238	15 - 252	
HCWAC68	734	529653	1 - 321	15 - 335	
HCWAE16	735	660280	1 - 156	15 - 170	
HCWAE50	736	655130	1 - 211	15 - 225	
HCWAF02	737	920993	1 - 711	15 - 725	
HCWAF45	738	723452	1 - 322	15 - 336	AI271873, AA834816, AI053939, AW382603, AW021847, H72269, AA079260, R81017, R62710, T58562, AI003068, AA507623, AA525818, AA533660, AA515048, AI826857, AC003957, Z93023, AC005837, AC007182, AC005245, AC005933, AC004771, AC005914, AC005695, AC005102, AC003685, AP000497, AC004031, AC004132, AC003678, AL008582, AL109952, L78833, AL021546, AC005014, AL049776, AP000694, AL096701, AP000279, AL008722, AP000038, AP000106, AL078644, AC006484, AC007542, AC005899, AC003003, AC006581, AC007066, AC004890, AL096678, AF196779, AC006417, AC007192, AP000502, AL050333, AC007057, AL049872, AC005399, AL035249, AL021878, AP000116, AP000103, Z97056, AC003041, and AC002476.
HCWAF60	739	523354	1 - 301	15 - 315	R91062.
HCWAF80	740	529498	1 - 286	15 - 300	F02374.
HCWAG20	741	839796	1 - 299	15 - 313	
HCWAG70	742	529357	1 - 352	15 - 366	
HCWAH52	743	574929	1 - 235	15 - 249	AA812265.
HCWAI93	744	523536	1 - 330	15 - 344	AW134548, AA649218, AF022655, and AF049105.
HCWAJ55	745	529361	1 - 68	15 - 82	
HCWAJ58	746	740987	1 - 351	15 - 365	M77919, and AL109984.
HCWAK51	747	751640	1 - 297	15 - 311	AA837325, AI679390, AI679898, AA808982, AA971196, AA112924, AA856815, AA207147, AW408063, AI298079, Z97630, AC005921, AC006597, AP000030, AC004882, AC002477, AC005529, AP000163, AL121658, AL031602, AC004531, AC005071, AC004856, AC009516, S42653, AF109907, AB026898, AC004638, AC006449, AC005899, AC004831, AC007546, AL049697, U95742, Z86090, U52112, AL031005, AL031767, AP000501, AC007066, Z98946, AC005089, AC002527, AL034420, AC005846, AC005231, AC007216, Z81369, AC006581, AB023054, AC005696, Z84469, AC005768, U95741, AL033397, AL109628, AL109865, AC004770, AL079295, AL133238, AC005488, AC008124, AC006509, Z97876, AL031733, AC005971, AC008372, AC007055, AC005663, AC006445, AC004491, AC004019, U95740, AC007041, AC005695, AC004526, AC004851, AL022238, AC004801, AJ246003, AL022327,

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HCWAK80	748	702435	1 - 470	15 - 484	
HCWAL14	749	861958	1 - 332	15 - 346	
HCWAL22	750	579046	1 - 468	15 - 482	AC005327.
HCWAL39	751	861893	1 - 330	15 - 344	
HCWAM08	752	960170	1 - 95	15 - 109	U95742, AC007216, and AC007226.
HCWAM39	753	529349	1 - 170	15 - 184	
HCWAM49	754	849980	1 - 495	15 - 509	
HCWANI7	755	966646	1 - 684	15 - 698	AA630456, H38769, AI581223, AI003797, AL037777, H65697, AW161459, AW161879, AI191343, AA936548, AI473671, T90477, AA743968, AA299422, AA361354, AI570380, AI733856, AL047645, T94072, AA715891, AI287766, AA292719, H24953, AI054414, AW007424, AA501781, AA526424, AA577824, AA456149, AI684335, AA811150, AA654849, AA669320, AA493657, AA380781, AI866580, AA640495, AI049630, N87333, F31203, H47208, AA064978, AA678976, AA745628, AI357109, AW084100, AI308598, AW029515, AI683116, AA133013, AA714338, AA584525, AI473995, H94979, AI247101, AW022796, AF092853, AF092850, AC006160, AC005412, AC004929, AC005872, AL008636, AP000353, Z75407, AF092851, AF195658, AC002040, AC006262, Z98200, AL023513, X58139, Z54246, AC006480, AF191069, AF007563, AL121754, AC005620, AL096766, AC006530, AP000144, AC004773, AP001067, U85195, AC004990, AL031005, AC005480, AE000658, AP000313, AL034418, AC004475, AC005829, AP000194, AC006323, AL096701, AP000555, AL049569, Z84469, AL049780, AP000116, AP000050, AF196969, Z99297, AC006449, AC006050, AP000229, AP000151, AP000043, AP000117, AC005696, AC006021, AP000049, AC004851, AL034553, AC002316, AL022158, AL109952, AC005197, AP000311, AC002390, AL008718, AC007191, AL030996, AF132033, AP001068, AC003048, AC005233, AL034548, AL049779, AL035079, AC004651, AC003663, AF130343, AC002504, Z93024, AL031597, AL122023, AL121748, AL023799, AC000066, AC005231, AL035691, AL117258, AJ251973, L22968, AC005544, AC004760, U52112, AL024498, Z98304, AP000010, Z85999, AL109967, AC005803, AC006251, AC004262, AB014088, AB033024, AC005037, AC002314, AC007488, D89927, AF106656, AC005178, U63630, AC005192, AL022326, AB000876, L34079, AP000506, AC002045, AB000882, AB020868, AC006241, AC003670, Z98747, AF143316, AC007204, U96629, AC007263, AJ011930, AL121577, AL021939, AC005280, AC007193, AP000115, AC002375, U52111, AL049835, AC006538, AC004492, AC005820, AC004923, U02047, AC003992.

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HCWAN55	756	928116	1 - 375	15 - 389	
HCWAP63	757	523259	1 - 409	15 - 423	AL022067.
HCWAP66	758	889439	1 - 303	15 - 317	AI216990, AI076729, AC007381, and AF109907.
HCWAR05	759	932623	1 - 397	15 - 411	
HCWAR59	760	916461	1 - 687	15 - 701	
HCWAR63	761	523255	1 - 392	15 - 406	
HCWAR76	762	529652	1 - 488	15 - 502	
HCWAR84	763	529241	1 - 199	15 - 213	AC005820.
HCWAT16	764	523125	1 - 326	15 - 340	
HCWAT59	765	529236	1 - 339	15 - 353	
HCWAU26	766	849902	1 - 263	15 - 277	
HCWAU89	767	589836	1 - 333	15 - 347	
HCWAV75	768	849976	1 - 396	15 - 410	
HCWAY41	769	542388	1 - 336	15 - 350	
HCWAZ16	770	529227	1 - 328	15 - 342	
HCWAZ43	771	849892	1 - 496	15 - 510	
HCWAZ66	772	523243	1 - 434	15 - 448	
HCWAZ73	773	523299	1 - 284	15 - 298	AI720968.
HCWAZ91	774	529226	1 - 443	15 - 457	
HCWBA18	775	529224	1 - 179	15 - 193	
HCWBA21	776	937631	1 - 394	15 - 408	T59362, and T59390.
HCWBA49	777	723359	1 - 327	15 - 341	AI695904, AI652833, and AC005576.
HCWBA50	778	835532	1 - 326	15 - 340	
HCWBA55	779	529222	1 - 296	15 - 310	
HCWBA64	780	715579	1 - 265	15 - 279	
HCWBB27	781	967045	1 - 392	15 - 406	AI709174, AI932902, AA078084, AW194802, H54292, AA085863, AI889612, AI623423, AW236342, AI268812, AA563770, AA573189, AA252763, AI824562, AA526779, AA669816,

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HCWBB63	782	667283	1 - 332	15 - 346	
HCWBC16	783	529350	1 - 208	15 - 222	
HCWBC28	784	584778	1 - 341	15 - 355	
HCWBC32	785	574909	1 - 361	15 - 375	
HCWBC54	786	573188	1 - 331	15 - 345	AF187320
HCWBC61	787	728666	1 - 313	15 - 327	R91175, AA347930, AA347927, AI431688, AA078849, AI690686, AA328169, R70333, AW238345, AA078869, F23239, AA364224, AA177120, F04987, R40056, AA843450, AI160117, AW088984, D29495, AA449523, H79261, AI561255, AA310868, AW272758, AI185122, N31557, R36315, AI679442, AI679952, AA449088, T59509, AA704643, H78230, R77905, R96959, AW102849, AA347101, AA985357, AA581463, AA810283, AA338486, AI610376, F33566,

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HCWBC69	788	849971	1 - 290	15 - 304	
HCWBC71	789	784052	1 - 69	15 - 83	AA827967, and Z93783.
HCWBC81	790	849974	1 - 248	15 - 262	
HCWBD54	791	706513	1 - 238	15 - 252	
HCWBE25	792	529216	1 - 127	15 - 141	AF150169, and AF111167.
HCWBE37	793	542403	1 - 307	15 - 321	Z54343, and AL109760.
HCWBE49	794	932196	1 - 406	15 - 420	
HCWBE51	795	782317	1 - 418	15 - 432	
HCWBE58	796	773587	1 - 161	15 - 175	
HCWBE69	797	723717	1 - 435	15 - 449	W45011, AI191804, AA773406, AA361071, AW402184, AA853510, AA314671, AW401537, AA345752, AA378756, AA346880, AA367230, AW405965, T80869, T72713, N23610, R19889, R94160, N55688, Z43415, R18379, W21269, AW403145, W19964, AA325636, AW401713, N57425, AA313360, N57316, W46199, AA670088, AA313277, AW160492, AW247594,

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HCWBE71	798	688011	1 - 393	15 - 407	AC006465.
HCWBE76	799	968515	1 - 158	15 - 172	AW450440, AW444820, and AW301590.
HCWBG06	800	954670	1 - 60	15 - 74	AI440268, AA523203, AA523204, AI114755, AI160875, AA506952, AW019964, AW265274, AA368329, AI609972, AI753536, AI635677, AI690335, AA807704, AL047480, H40478, AW237905, AA551204, AA837771, AW029626, AI749306, AI888050, AL048002, AA351868, AI982994, AW341955, AI114645, AW263867, AL041895, AI453160, AI564294, AA831997, AA632765, AI471467, H87756, AA629939, AI348780, H43183, AI799421, N45056, AL042373, AW169469, AA320521, AA653291, AI378437, AI118998, AI750692, AA635433, AA683069, AA604797, AI800345, AA642289, AA207147, AI345394, AW023376, AA788904, W27084, N22501, AI671077, AI929298, AI929825, HI5241, AA670108, AA741301, AW007424, AA225100, AW157180, AA827383, AI537480, W96522, AI915068, AI114543, AW197926, AC004686, AC004242, AL031662, AC006312, AC005355, AC005189, AC005081, AL021917, AC005338, AC005736, AB023051, AP000512, Z83826, AP000501, AC007510, Z84481, AC007363, Z83838, AC007488, AC007225, AL079295, AL139054, U96629, AP000125, AC006549, AC005821, Z93023, AL031286, AL117694, Z82244, L13176, L77570, AF024534, AP000252, AP000098, AF064866, AC005969, AC005899, AC007285, AC005212, AP000515, AL133289, Z97832, AP000212, AP000134, AC002395, AC005772, AC005231, AC005183, AC007151, AC012384, AC002302, AC005911, AP000031, AF031078, AL136297, AC005940, AP000558, AC004253, AF029308, Z98036, AC005086, Z85996, AC004596, AF030876, Z98941, AC007688, AC005952, AL117391, AC005778, AC002347, AI246003, AC006070, AC005412, Z79997, AP001053, AL035405, AL035587, AC005972, AC004030, AC007387, Z97352, AL022336, AC004913, Z97053, AL078611, AC005902, AL049872, AC004531, AC004973, AC004813, AC005670, AL109984, U29953, Z97184, AL031284, AC002563, AP000014, AP000692, AF113694, AL117344, AC005839, L78810, Z98743, AC004779, AL031686, U55184, AL109628, AP000172, U62631, AF050154, AC012085, AP000057, AP000355, AC007617, AC007226, AL031311, AC006211, AL049692, AL008718, AC002400, AC005271, AP000502, AC005529, AC005358, AC002527, Z81369, Z95115, AC007025, AC005632, AC002425, AF111167, AC002350, AC006120, AL031985, Z98256, U91318, AL049631, AC000094, Z84484, AL022318, Z99716, AF053356, U43572, AC004912, AC007455, AC006111, AL121652, AL035681, AC000097, AL034451, AP000553, AL049845, AL009172, AC005181, AC006547, AC005218, AL035398, AC004611, AC005565, AL021391, AL022238, AC020663, AL035685, Z84483, AC004999, AC004967, AC002984, AF129756, AC003070, AL031123, AB014085, AC004187, AL031282, AC006571, AC003972, Z83844, AL050348, AL121603, AC007041,

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HCWBG40	802	676588	1 - 540	15 - 554	AA046906, AA157876, AA047057, AA017583, AA019793, A1469089, AA661583, A1872229, H62123, AW150209, A1452836, A1521019, A1469485, A1567676, AW243817, N74555, AW117860, A1253347, AA587835, T03928, H68343, A1358505, AA557508, AW273201, AW273146, A1570067, A1819419, AA572813, H82594, AA768079, AA640305, AL050318, AC007537, AC007421, AC007637, AL096775, AP000512, Z98884, AC002126, AC005529, AP000501, AC000353, AL109758, AC006511, AC007536, Z83844, AF001549, AL050307, AC004031, AC004491, AC004922, AC003684, Z93017, AF053356, AC002470, AL121603, AC004000, AC004805, AC006449, AC005694, U95742, AC005399, AP000555, AC005274, AC012384, AB001523, AC007216, AC002544, AP000116, AC005399, AP000555, AC005274, AC012384, AC004686, AC004477, AC005632, AC005484, AC008372, AF134726, AC002039, AC005089, AB023051, AC005519, AC007055, AC006071, AL031295, AJ011930, AC004890, AC005067, AC002044, AC005971, AC004099, AC004659, AC004985, AC005695, AC004913, AP000114, AP000046, AC006487, AC004859, AC004876, AL020995, AC006125, AL031680, AL035072, AC005911, AC006344, AL031311, AL049694, AL031276, AF207550, AC007387, AC002425, AC004647, AL109984, AC005412, AC004878, AL050341, AC005231, AC007226, AL096703, AC004552, AC006241, AC004887, AC002310, AP000065, AC005829, AC007878, U91326, AC006130, AL021878, AC005358, AP000502, AC005913, AC004765, AC003086, AF001550, AC005531, U85195, AC004854, AF196969, AL078581, AP000088, AC006571, AP000133, AP000211, AC004983, AC007376, M63796, AC005037, AC000046, AL049759, AC000038, AE000658, Z98200, AC004019, AL031663, AL136504, AC005744, AC000025, AC005746, AC005015, AL096701, AL049795, AC004520, AL133246, AF196779, Z83822, AC004796, AL035659, AJ246003, AC006581, AC002418, AP000045, AP000113, AC006512, AL031681, AC005779, AL109952, AC004242, Z84469, AC020663, AC004929, AC016025, AL049780, AC005081, AP000302, AC003042, AB022785, AF111168, AC005180, AC006236, AL021918, AC007686, AC006273, AL031594, AC006121, AC005004, AC004386, AL021977, AL034371, AC002350, AL109628, AC006255, AF165926, AL049830, AL031733, AC002477, AF190465, AC004216, Z98742, AL008582, AP001046, AC005666, and AL009181.
HCWBG41	803	839014	1 - 283	15 - 297	
HCWBG43	804	689743	1 - 197	15 - 211	W60516, T39598, A1284640, AA557325, A1358229, AA916039, AW406755, AA513999, A1110770, AA826303, AW074398, A1205126, AA551509, AW274349, A1625244, AW023672, AW265385, AA483034, AW303196, AW301350, AA720702, F35113, F36273, A1133164,

AI888518, AA559290, AW440810, AL138265, AI334443, AI064864, AW249224, AI802526, AI890928, AA610491, AW172727, AI053816, AI890570, AL036523, AA111909, AA525416, AL040130, AI610920, F19258, AA587604, AA995824, AI435544, AA587256, AI281881, AW272758, AI016000, AW021747, AW023511, AL040913, AA831388, AA340960, AW301818, AI358343, F29989, AI568678, AA177061, AI653905, AW238278, AA601388, AA729264, AI799642, AL040547, AI133262, AL037554, AL079683, AI358571, F34460, AI608626, AA434484, AI287528, AI471481, AL041368, AI955323, AI365988, AL042753, AW023389, AA501784, AI307426, AI962050, AW166815, AA515051, AA654627, AA132450, AL048925, AI251002, AI929531, AW339687, AI679782, AL042420, T90248, AI623696, T08638, AW265294, AA904218, F27027, AA630352, N43757, AI635272, AW249835, AI339850, AI610159, AA828064, AI890923, AW162049, AW168342, AI859251, AL134972, AW361583, AI446464, AI037914, AI567674, AI003743, AW022379, AI904894, AA229785, AI653636, AI049722, AI273185, AI561255, AI917271, AW440836, AA581903, I51997, AF015167, X75335, S75201, M37551, UI2580, AC000159, UI2582, UI4719, UI4718, UI4717, UI4716, UI4714, UI4715, UI2583, UI4713, D83989, Z22650, UI4711, UI4712, AF077058, UI4689, AF015158, AF015170, M87918, Z49816, AF015168, AF015169, AC005385, AP001038, AC004955, UI4685, UI4686, UI4687, UI4688, UI4691, UI4699, UI4710, U95740, L35531, AC000951, AP000140, AF015166, AC002542, AC006344, A39972, Z98052, D26067, L81759, AP000088, AF134726, AC001530, Z68269, AC005887, AF146367, AL031577, AL031274, AC006128, AP000193, AC006049, UI4692, UI4702, UI4707, AC004913, AF001552, Z81365, AC002377, U73684, AB023056, AL110150, AF165176, AP000311, AL022322, AC005156, Z74696, U02054, AC002492, X01471, I08362, AF090944, AL121603, AF124523, Z69921, K02043, AC004506, AP000117, AC001164, X79699, AC005682, AF036682, AF015160, S75337, AL024474, Z98750, AF015171, AP000954, X04981, AC004494, AL110292, AC004915, U50570, AC006487, U02048, AC005031, AC004866, X88791, I25678, AC008115, AP000513, AC004477, AL050338, AC004785, AC005401, AF126531, AL031720, AL031009, AL080242, AL031005, AL022326, L08835, AL096862, AC005015, AC005755, AL021878, AC007367, AC007055, AL136297, Z98257, AB023049, AF120990, AF196969, AF078904, AP000355, AC012384, AC006285, AF141976, AC005594, Z97183, AC006449, AL035458, AP000459, AL034452, Z73496, U80017, AL034420, AC002314, X74558, AP000958, AP000111, AP000043, AC005585, AP001037, U49740, Z84814, U14700, AC016025, AC004745, Z85997, AL049843, AC004990, AC007637, AC004150, AP001054, AC005356, AC002115, AC006539, AC002072, AC005086, AC003070, Z83819, X06123, AL023494, AC005484, Z98744, AC005911, AC004492, AF019114, AF010317, AL132777, U62317, AC004241, X60653, AC007774, AC005787, AC006030, AL049830, AC005765, Z93244, AL021069, AC004984, AC006063, AC004485, AF190465, AC004783, AL035460, Z98941, AC007392, AL110502, Z95113, AC005280, AP000365, AC005228, AL031120, AP000349, AC005754, AC000080, AL049836, and AC004263.					
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HCWBG77	805	529229	1 - 279	15 - 293	
HCWBG91	806	789318	1 - 118	15 - 132	AA528467, AI865264, and AI267855.
HCWBI17	807	954153	1 - 171	15 - 185	AC002316.
HCWBI24	808	529211	1 - 112	15 - 126	
HCWBI37	809	967717	1 - 335	15 - 349	
HCWBI53	810	934909	1 - 375	15 - 389	
HCWBI77	811	529238	1 - 217	15 - 231	
HCWBI90	812	921653	1 - 342	15 - 356	
HCWBI02	813	917300	1 - 408	15 - 422	
HCWBI27	814	784524	1 - 128	15 - 142	
HCWBI61	815	849967	1 - 320	15 - 334	
HCWBI66	816	529228	1 - 87	15 - 101	AL022328.
HCWBI75	817	935579	1 - 470	15 - 484	AI809175, T53160, T53159, AA284460, AA995373, AI355246, AI634377, AI926393, AW089625, AA846923, AW008184, AA226356, AI283938, AI366180, AW272815, R67701, AI357762, AI434653, AA856815, W45274, N66775, AA084504, F35684, AI690379, AW104161, AI697239, AA526643, AI697242, AA558366, AI697235, AA535216, AA484022, AA555232, AA714110, AI473671, AW192419, AI869797, AI961983, AA584756, AI417469, AI859906, AA568314, AI753904, AI568376, AW419389, AA728874, AI927275, AA838161, AI932871, AL041375, AI800426, AI281818, AI431513, AA655037, AA181917, AI817658, AA558404, AA613850, AI678581, AI370170, AW020150, AI521525, AI689198, AA654464, AI537368, AI858889, AA582746, AI053398, AA491423, AW303872, H71678, AI687972, AA297961, AW249660, AA290570, AI299442, AA610433, AI538236, AW265688, AA581240, F09357, AA601712, AI270647, W72860, AI888298, AI491765, AA642809, AW028950, AA515048, AW238341, AA115865, F30158, AW019964, T47138, AI926102, AA488687, AI612724, AI476460, AA523695, AA814503, AC005274, AC008072, AC002316, AC003663, AC004139, AC004884, AC012384, AC005288, AL022165, AC005291, AC005082, AC002554, AL008718, AL022162, AP000466, AC002504, AL035587, AC002430, AL035460, AL049776, AC007298, AC005914, Z82203, AC007384, AC005369, AC002404, AL135960, AI131016, AC003687, AC003046, AC007536, AC002302, AL109827, AC005046, AP000156, AC004448, AP000501, AC007055, AC002378, AC004242, Z93023, AL049539, AC006312, AP000555, AC008040, AL133312, AL109653, AC005393, Z98304, AC005280, AL049780, AL133448, AP000033, AC004263, AC006011, AL049872, AL031055, AL022163, AC006441, U78027, AL133245, Y18000, AL109984, Z84474, AL022398, AL031777, AL035422, AC005624, AL022319, AC004882, AL035405, Z93241, AL031005, AC002477, L43411, AL031293, AL031121, AF178030, AC005058, AC004841, Z98048, Y10196, AL109618, AC004801, AF222686, AJ246003, AC006581, AC007151, AP000014, AC004686, AC005920, AL133275, AL049576, AC003108, AL132718, AC004706, AL022318, AC005529, AL133500, AC005952, Z98044, AC004887,

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HCWB181	818	849977	1 - 165	15 - 179	AA373861, AI381490, AW128881, AA554659, F01222, AI049701, AA496309, AA888638, AA757869, AI354333, AA661883, AA298192, AA225358, AW080215, AW022897, AW132097, T30864, AL035893, AW277135, AA295874, AA295865, AI866971, AA206594, AI146266, AW249720, AI889426, AW410481, T94592, N24836, AA352521, AC004139, AL031667, AC005880, AC006077, AC004933, AC006463, Z84487, AC005060, AL035079, Z98884, AL023798, AC002425, D63861, AC004500, Z98941, AL021391, U62292, AC005828, AL049779, AC008928, AC005332, AP000065, U63721, AC016027, AF027390, AL035658, AC016830, AC005102, AC004884, AC002310, AC006312, AL031283, AC008101, AP000305, AL031407, AC005523, AL031276, AC005231, AL132712, Z98946, AC002477, AC005972, AC006965, AP000053, AP000168, AL109628, AC005899, AP000047, AP000326, AC005763, AC006509, AC008009, AP000501, AL096808, X14278, AL049643, AP000054, AP000169, U47654, AP000324, AL109801, AC008372, AC009501, AC005755, D87675, AL109627, AP000513, AP000115, AC005877, AC007011, AC005280, Z76735, AC007285, AP000116, AC005375, AB023049, AC006057, AL035685, AC005071, AC005300, AC004985, AC007869, AF064756, AC004738, AC016026, AC005291, U91323, AC002107, AL023553, AC004491, Z99570, Z93241, AC018769, AC006254, AC007172, AC004975, AL035249, Z93017, AC005261, AC006441, AF003529, AC005028, AC004230, AC004973, Z85996, AC005666, AC005295, Z82206,	
HCWB186	819	719521	1 - 380	15 - 394		
HCWB138	820	935481	1 - 336	15 - 350		

					AB015355, AC006079, L78833, Z49236, AL022238, AC009399, AC000394, AC005971, AC005632, AC003007, AC003108, AC002106, AC006211, AC005014, AL132708, AC005998, AC007786, AL031685, AC002492, U78027, Z83838, AP000008, AL023575, AC002554, AC004605, AC004841, AC004851, AL021528, AC006010, AL133163, AC005696, AL050318, AC006501, AL096791, AP000212, AP000134, AL031662, AC007041, AP000512, AL035422, AC005875, AC004913, AC005328, AP000122, AL049692, Z83844, AC005914, AC005015, Z98200, AC006449, AP000359, AL078581, AC002395, and AL135960.
HCWBL41	821	666457	1 - 372	15 - 386	R20206, T82390, T48770, AL039515, W07542, AA757646, N54937, H82873, AA847341, AA525156, AI791408, AI791720, AI049999, U91323, AC007546, AC005354, Z98946, AC004983, Z84474, AC006344, AB001523, AL031311, AC006354, AP001054, U70065, AC005696, AC002492, AC004771, AC003006, Z84480, AC006064, AL035086, AP001052, AC004914, AC007421, AF053356, AC004825, AL031577, AC005089, AL031587, AF007876, AC006512, U91327, Z61071, AC005529, AC005839, AC004797, AC002077, U78027, Z85987, AF165926, AC005288, AC004383, AC006332, AP000133, AP000211, Z86090, AF196972, AC004692, AC004674, AL049776, AL035422, AL049795, AC004883, AL008731, Z97987, AC004967, AC005746, AF023268, AC005372, U45945, M81181, AC004638, Z82190, AC005527, and AL133448.
HCWBM04	822	861842	1 - 329	15 - 343	AC002464, Z85999, AF002223, AP000033, AC004253, AP000102, AP000260, and Z97196.
HCWBM50	823	577712	1 - 347	15 - 361	
HCWBM95	824	849932	1 - 386	15 - 400	
HCWBN06	825	924638	1 - 360	15 - 374	
HCWBO10	826	842038	1 - 331	15 - 345	
HCWBO23	827	964590	1 - 165	15 - 179	AC007130.
HCWBO94	828	574861	1 - 361	15 - 375	AC007162, and AC005212.
HCWBP27	829	684336	1 - 317	15 - 331	AF205588, and AL024498.
HCWBP56	830	733662	1 - 303	15 - 317	AW022796, AA847341, AW023390, AL308529, AI554399, AW029626, AI888050, AL119063, AI307563, AI520925, AI475294, AA358531, AA496941, AA935827, AA687084, AI076729, AA419014, AI002863, AI446574, AI867012, AI571894, AA661554, AI798521, AI571094, AW070901, AI860648, AA084320, AA525156, AA768179, AW129188, AA632355, AI752977, AA218684, AA581317, AI049680, AA446931, AA196994, AI805699, AA834891, AI805373, H05066, AA761454, AA171400, H24331, T52366, AW338376, AI805556, AI890297, AA419107, AW131109, AW190437, AI734076, AI732102, AI232101, H23238, AI734075, AA828840, AA551548, AI445338, AI572680, AA749196, AI124558, T07943, AA772818, AI802268, AA873661, AA484191, AA524846, N55076, AA832108, AI003086, N59248, AA436949, AI343808, AI149177, W27084, AI570067, R79396, AA496042, AI363336, AA428991, AI000314, AI361401, AI174827, AI202777, AI114645, AA385652, AW362702, AI207534, AI668566, AI921744, AA513916, AA420703, AA225566, AA225494, AI446618, AA632556, AI434103,

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HCWBP70	831	757467	1 - 370	15 - 384	AC004934, AC005668, AC007529, AC003102, AP000142, AP000089, AC005200, AL133243, AL031117, D87675, L35671, AF135187, AC005612, AC004140, AC004966, and AL050307.

HCWBP74	832	765881	1 - 319	15 - 333	R59942, AC002301, AP000045, AP000113, AC005399, AC007327, AP000510, Z84469, AC004520, AL133163, AL035079, AC006163, AC004032, AB023048, AL031311, AC003030, AC005081, AC006461, AC004938, AC005015, AC003010, and L44140.
HCWBP85	833	849969	1 - 365	15 - 379	AA564671, AC002045, AC002039, AC002544, and U91326.
HCWBQ03	834	920886	1 - 330	15 - 344	
HCWBQ36	835	557873	1 - 324	15 - 338	
HCWBQ70	836	706526	1 - 373	15 - 387	
HCWBQ74	837	526537	1 - 356	15 - 370	AW242031, AW340905, AL039309, AL446336, AA018923, R33091, AA224525, H40324, AA012829, AL042310, AW029251, N30205, AA689351, H56703, AW440368, N41775, AA825185, AI679221, AA827096, AA609826, AI307565, AI271762, AC004814, AL049653, U91326, AC004777, AF047825, AC005231, AC006236, L78810, AC004000, AC007435, AL049569, AC005332, Z85987, AC002996, Z84480, AL133245, AL022336, AC005899, AC005519, AP000501, Z98742, Z97630, AL022163, AC002312, AC005527, Z98941, AC004216, AC002470, AL022313, AC009516, AL080243, AC005031, AC004686, Z85986, AL020993, AP000116, AL031284, AC006057, AC004832, AL031666, AC005180, AP000512, Z97196, AC003101, AL136295, AC005520, AL033392, AC006480, Z98304, AC005015, AC005745, AC006344, AL022721, AC004890, AC002365, AL023575, AL109839, AC009946, AC004019, AL031680, AC003950, D86995, AF207550, AF045555, AC005844, AC006285, AC006530, AC005529, AC006468, AC020663, AC003108, AC005921, AL117344, AC005037, AC007225, AF053356, Z98743, AC005207, AL121652, AI003147, AP000558, AC007216, AC005086, AD000092, AC004884, AP000117, AC004854, U96629, AC004841, AL021392, AP000050, AC006211, Z86090, U29953, AC005944, AC007666, Z84487, AC007308, AC005300, AC005828, AC005102, Z93241, AP000555, AC007421, AC008372, AC004752, AC007277, AF196969, AC005412, AC005399, AC005081, AL022316, AC008044, U62292, AL109657, AC004882, AC006111, AC002477, AF111168, AC005512, AC002301, L47234, AL132712, AC005071, AF196971, AL035086, AC004491, AC005702, AC002544, AL096701, AC006538, AC007993, AC005305, AC004659, AC005695, AC006965, AC004492, AC005619, Z97183, AF205588, AC000134, AC007283, AL049843, U52112, AC004447, U91321, AC007546, AL109963, AL139054, AL117330, AF003626, AL021154, AL035659, AC005747, AC005225, AC005924, AL022165, AL049759, AC004859, AC005409, AL122020, AC004985, AC003982, AP000556, Z95114, AL035587, AC002375, AC005274, AC005089, AC005725, AL049694, AC007687, AC004099, AC005058, AP000690, Z83844, Z99755, AP000689, AF015416, U91322, Z99128, AC003041, AC002316, AC004878, AL021391, AC006257, AC003098, AL049780, AC005082, AL022311, AC006487, AL096791, AL009181, AC007226, AF165926, AC005914, AC003009, AL050308, AC002072, AP000952, AL024474, AC005778, AL246003, AC002314, AC004638, AL034417, AC007774, AL031007, AL121658, AC005046, AL133371, AC005971, AC003042, AL050318, AC004887, AL021878, AP000300, U34879, AC004552, Z98752, AC007055,

					AC004167, and AF196779.
HCWBQ88	838	527694	1 - 310	15 - 324	
HCWBR06	839	527692	1 - 424	15 - 438	AA234213, AL078621, and Y13478.
HCWBR89	840	967726	1 - 401	15 - 415	
HCWBS66	841	574850	1 - 120	15 - 134	AA912663.
HCWBS67	842	842037	1 - 370	15 - 384	AI281474, AI187148, AI050076, D44899, AA446645, AI609972, AA653139, AA584765, AI624067, AA342238, AA526643, AA598738, AA805029, F24745, AA456149, AA568314, AA193205, AI090334, H28545, AI358542, AA302661, AA648605, AA570441, AA482928, T71936, AW083706, AA225630, AA808998, AA383937, AI494417, AW419389, AA847099, AL119010, AA112924, AA020788, F30650, AI283938, AA443727, AA425924, AI354333, AL134278, AW167330, AW051288, AI366555, H25302, H67064, AI620415, AI858889, AA525407, AI636734, N73060, AA664126, AI955873, X69907, AC004893, AP000501, AP000103, AC004106, AI031281, AI035405, AC005089, AI049694, Z99128, Z97056, AP000269, AP000555, AC007435, AC004217, AC008126, AC003041, AC006965, AL035658, AF049895, AF111168, Z82244, AL049830, AF002223, AL031905, S42653, AL035458, AC004985, AL031432, AC007993, AC004526, AL033527, AL022336, AC004843, AL035079, AC004805, AC005755, AL034549, AL139165, AC002565, AF047825, AC005261, AF196969, AC007685, Z95152, AC006966, AL031685, AL079295, Z83309, AL009172, AL031589, AC005913, AC005535, AL031673, AL049872, AL033518, AC005874, AF134471, AC005479, L78810, AC005828, AL078638, AC005924, AC005372, AB023048, AC004859, AC006026, AF207550, AC005901, AE000638, AC004491, AC002477, AC005632, AC007308, Z93017, AL049591, AP000300, AC006121, AL008718, AF134726, AC005933, AL096701, Z81369, AL096766, AP000032, AP000113, AP000045, AC003956, AC007225, Z99716, Z82190, AC005921, L05367, AC007358, AC002073, AL031777, AC006001, AL035659, AC007298, AC008064, AC004148, AL031657, AC002470, AC006023, AC009516, AC004973, AC007216, AL133246, AC005231, AL049569, AL050348, AC005881, AC002994, AC004584, AL031120, AC006487, AC005531, AC007386, AC002314, AC006449, AC005520, AP000040, AC003982, AL022338, Z94056, AC002425, AC005233, AC002045, AL031291, U95743, AC005409, AC004522, AC005082, AC004531, AC004841, AC004821, AC004884, AL031289, D87675, AL008730, AP000355, AC007192, AC005328, AL035530, U85195, AC006344, AC006146, AC006239, AC005914, AL034371, AC020663, AL109801, AC007276, AC006088, AC005740, AC006050, AL080243, AC003071, AL022316, AC005971, AC000353, AC000070, Z94801, AC007327, AC004024, AC007237, AL035071, U91326, AC004983, AC005821, AC010205, AC005696, AC003014, AL133243, AC004223, AL022323, Z83838, AC000159, AL022322, AJ010770, AC006960, AL049776, AL049636, AC005730, AL109984, AL050307, AC006241, AC002350, AC006505, AC004762, AL121934, AC005220, AC002347, AL009181, AL049589, U91318, Z84469, AC006581, AC005015, AC006509, AC006299, AL024507, I34294, U95741,

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HCWBS96	843	954028	1 - 464	15 - 478	
HCWBT30	844	523249	1 - 340	15 - 354	
HCWBT31	845	720016	1 - 283	15 - 297	AA897291.
HCWBT48	846	527676	1 - 139	15 - 153	
HCWBT86	847	927506	1 - 316	15 - 330	
HCWBU09	848	527562	1 - 279	15 - 293	
HCWBU24	849	861864	1 - 371	15 - 385	
HCWBU49	850	850014	1 - 402	15 - 416	AL118817, AA425283, AI360368, N27737, AI224583, N62478, AI567976, AI446424, AA493464, AI753131, AA506544, AW085751, AW270287, AA659303, AA330435, AL119123, AI355572, AA595661, AL048969, AI690379, AA515165, AW169183, AI310670, AI754064, AW409621, AI349130, AA372958, AI038990, AA524604, AW086015, AA489390, AL042731, AA382435, AA662982, AI751698, AL134338, AA631915, AI744890, AI540319, AL044438, AA862218, AL039436, AA630476, AI935827, AA640305, AL042336, R43468, AL044458, AA648942, AA280886, AI014872, H05742, AI439525, AA181705, AW084152, AI174703, AA720594, N73337, AA369494, AA167178, AF114095, AW275788, AA303588, AD000092, AC002433, AC005081, AC004477, AL031228, AL021391, AL096791, AC005048, AC005516, AC005004, AF129756, Z97056, AP000359, AL035422, AF217403, AC005664, AC006479, Z82208, AL035420, AC005546, AC009336, AC006547, AL13448, Z82244, AC004686, U78027, AL022313, AC007057, AL049872, AC006581, AL021393, AP000505, AC007021, L78810, AC007242, AC002551, AL035413, AL035682, AL139054, AL121769, AC004099, AF195658, AC005301, AC003969, AC007055, AC007686, AL049709, AL035603, AC007093, AC000007, AL031122, AC005828, Z98048, AC002476, AC005726, AC007397, AC004000, AL136295, AC005519, AC002985, AC000075, AL049539, AC004772, AB014079, AL031587, AP000514, AC007535, U91318, L44140, AP000133, AP000211, U91325, AL078639, AC005670, AP000961, AC006530, AC002126, AC004159, AC004921, Z79488, AC003109, AC007436, AC005907, U47924, AP000140, AL078581, AC003042, AC005391, AL031281, AC005821, AC012330, Z93017, AC004805, AC004802, AP000280, Z15025, AC005808, U71148, U91327, AC004998, AL008718, AC004973, AL122020, U91326, Z84466, AF111168, AL022476, AL049780, AP000088, AF015416, AC006511, AL078471, AP000107, AP000039, AL133312, AL034395, Z84497, AC007546, AF030876, AC009946, AC005082, AL021308, Z93244, AC005261, AC007993, AL132799, AC010077, AL031774, AL031282, AC005751, AC005694, AF196779, L78833, AL024507, U73647, AC004929, AL096763, AC005215, AL050323, AL035494, AP000124, AP000056, AP000171, AC004522, AC005089, Y14768, AC003102, AC007785,

					AL133382, AL031259, AL008710, AC003077, AL121657, AC005011, AL135744, AL035419, AL031680, AC005057, AC005911, AC005412, AF141308, AC005839, AC005793, AL117694, AC006468, AL021937, AC004903, AP000114, AP000046, AL022326, AC006139, AL008726, U80459, AL035460, AL133245, AL049776, AL034548, Z83847, U85195, AC005323, AL034379, AL023281, AC004213, Z86061, AL022723, AC004671, AF001550, AC005736, AC006255, AP000210, AP000132, AC002039, AC005335, AC007227, D88271, AC005369, AE000658, AL034417, AL031845, AP000228, D87022, and AL132987.
HCWBU72	851	668350	1 - 540	15 - 554	AL042853, AA503947, AA349854, F33121, AA366035, AA369477, AA318652, AA513999, AA508509, AA846981, AA341228, F19258, AA657458, F29989, W07032, AA559290, AA483034, AA724230, AI284583, AI358229, AA558697, N66067, AA310158, AA878495, AA363501, AA662974, AA515435, AI365988, AW406755, AI921188, AA371568, AA364193, AA723017, T66105, AW193546, AW339687, F36373, AA658235, AA557879, AI635272, F26152, AA780929, F36273, AA737154, AL120502, T07346, AA683037, AW270270, H58672, AA828680, T40077, AA828826, AA747620, AW008317, AI866908, R40625, AI457397, AI432713, AA580889, AL137954, AI357288, N41759, AL036854, AA092739, F24284, AA345333, H77900, AA932099, AA618002, C05986, AL079843, AL118911, C17838, AI745325, AI623898, AI246119, AA626747, AI431688, AA065087, R44592, AA301813, AI565245, AA662017, AW089789, AA313016, AL037554, AI439360, AA372106, AA654322, AA148489, AI284640, AI688928, AA159978, RI13151, AA639270, T25706, AW193295, AW338086, AL041382, AI955323, T29180, AI624698, AA339187, AI792864, AI818620, Z97053, AP001053, AC007285, AL022717, AL021918, AL121934, AC005632, AL121658, AL031736, AC007536, AL109799, AL049757, AC005215, AL022318, AP000034, AP000101, AL008629, AL034548, AC005803, AL133312, AC004740, AP000301, AP000045, AP000113, AL035413, AC004010, AL078602, AF039906, AL117328, AF055066, Z82182, AL121603, Z75890, L78833, AP000141, AP000089, AC004884, AC004066, AP000264, AL035684, AC008115, AL023281, AC005180, AC007283, AC007312, AL021939, AB023049, AC004600, AC000353, AL020993, AC004890, AC004712, AC007773, X77531, D87675, AP000512, AC006049, AC004049, AC005015, AL109984, AP000692, S78429, L44140, AP000031, AC005856, AC002377, U47924, AC004496, AC006449, AC005722, AC004470, AL031664, AL022394, AC008109, AL023803, AC004259, AC007461, AP000230, D83737, AP000144, AL008636, Y10196, AC006965, AC008984, U82668, AL049776, AL109939, AP000555, U96409, AL031650, AF190465, M87918, AF109907, AC004941, AC005911, AP000431, AL035448, AC004797, AC002485, AC006312, AC005399, AF108083, U95740, Z98950, AP000352, AP000252, AP000350, AC002316, AL035410, AC007848, AL109628, AC007666, AC004019, AC005625, AC005324, AC005944, AC005081, AC005829, AC020663, AC005696, AL121915, AL035415, Z99756, AC000052, AC002996, AC006071, U75931, AC004466, AL049874, AC005225, AL035461, AC005251, AL049872, AC005332, AL110292,
HCWBU72	852	746335	1 - 366	15 - 380	

					<p>Z98742, AC006552, AC016026, AC006285, AC004087, AC000067, AC005355, AC005799, AC005486, AB023051, AL133448, Z84718, AF067844, AC005184, AC004542, AC004477, AC012085, AC005998, AC016025, Z82185, AC006088, AC005208, AF044083, AL049829, AC005204, AC007226, D16583, U66059, AC004913, AP000134, AP000212, AC004020, AL031591, AP000194, AL035464, AC007537, AL079305, AL008582, AL080243, AL033376, AC000085, AC002558, AP000048, AC005703, AC005071, AC005370, AC000120, AL031733, U18400, M37551, L47234, AL035455, AL021786, AP000088, AC006077, AL132992, AL031283, AC004834, AC005212, AC004933, AC004703, AC002349, Z82244, AP000351, Z86062, AP000556, AP000557, AC007563, AC004902, AC005231, AL049712, AP000553, AC006149, and AF111168.</p>
HCWBV51	853	725889	1 - 315	15 - 329	<p>F00252, AL134669, AW328050, AI500151, M77984, AI590442, AA533653, AA094109, AA298531, AI832674, AA601376, AI821892, AA380324, AI355414, AA640519, H53169, AW029299, AA655026, AA693484, AI053673, AA601908, H86105, AA621838, N23229, C14262, AL133668, AI818067, AC006023, AC006312, AC005049, AL080243, AC012384, AL078638, AL049829, AL023575, AC005081, AC004854, AC005363, AL049539, AL034420, AC005740, AC006285, AL049759, AL133246, AC007546, AL135744, AC004841, Z83846, AC005914, Z93023, AL031670, AC010206, AC007686, AC005180, AL133163, AL024498, U07563, AL049553, AC005736, AC002565, AP000114, AP000046, U80017, AC005697, AC003982, AC005759, AC005822, AF165926, AF196779, AL049636, AC003663, Z82176, AC002395, AC006453, U95090, AC002394, AC006071, AC005730, AC005004, Z84469, AL031591, AC005703, AC003104, AF109907, AC004659, AC004125, AC005082, AC005328, L78833, AL031848, AC006241, AC007842, U91326, AC010205, AP000697, AC005231, AL022165, AC003101, AL034379, AF129756, AC004383, Z95113, AC002310, Z93241, AC002306, AC005015, AL008718, AC005005, AP000248, AC004655, AC005512, AC004966, AC005846, AC005971, AC007277, AC004148, AC005821, AF053356, AC002350, AC016027, AC004019, AC004999, AC005829, AC005399, Z95331, AL021391, AL031427, AP000032, AL096791, AC004821, Z82184, AC004656, AL021917, U47924, AB003151, AC004686, AC007312, AC005722, AC002091, AC005746, AC002558, AF111169, AC007055, AC009247, AL049591, D87675, AC002544, Z75887, AC008044, AL050321, AC004032, AF047825, AC005409, AL021578, AC007690, U95742, AC004477, AC004167, AC004859, AL049776, AC005632, Z98200, AC002425, AL109758, AC004765, AC004526, AC004967, AL022312, AC005531, AC002347, AC005696, AC007057, AC000082, AL031287, AC005592, AC004858, AP000010, AC006275, AC004883, AC006480, AC007052, AL080245, AC007731, AL035458, AL139054, AC016830, AC005332, AC005288, AC004253, AC004797, AC007666, AL008582, Z85986, Z93020, AJ246003, AP000553, AL080242, AC005500, AC005529, Z84476, AC004914, AC007225, AL031311, AP000555, AC005189, AC002316, AL022336, AC006130, AC005057, AP000089, AC002476, AC004813, AC005482, AC006538, AL023553, Z84480, AC005922,</p>

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HCWBV96	854	796584	1 - 396	15 - 410		AA554392, and AA372426.
HCWBX63	855	527081	1 - 117	15 - 131		
HCWBX65	856	970694	1 - 164	15 - 178		AW104748, AA280632, AA655004, R67365, W85752, AA557970, R95704, H05073, AA552726, T78484, AA806734, AA515051, AA461317, AA569743, R84309, AA604497, AA633266, AA774184, AA158328, R84303, R83929, H02135, W80462, AA160481, N40815, R69255, AA084337, AA130658, AA196796, R52163, AA720548, H80357, H73704, H86860, H02877, T94075, H64778, AA620464, H48636, W56203, R50087, AA483223, N71724, N57890, W16581, R92288, AA158301, AA171416, AA578251, AA858197, R66878, R84296, AA161083, R47822, R93576, W95939, AL191227, N87661, AA628602, AA721981, N20219, AA522942, AA810370, AA679009, AA602528, H80373, H80386, N53573, AA938225, AA190895, N70442, AA584751, AA159974, T49241, T71030, AA469021, AA601499, AA578017, AA020729, AA047296, AA669634, AA558616, AA112299, R32415, R41717, H79297, AA342914, AA644538, AA650271, R97634, AA527958, AA583394, AA634145, T53128, R91159, AA639248, R67504, T97558, AA521355, AA864983, AA126777, AA574110, H68999, H79151, AA773176, AA167643, AA664015, AA204718, AA721599, AA335972, R89511, AA224129, H11124, H49061, AA169194, W74484, T16056, AA459379, AA173071, AA824654, H08496, N25296, AA582911, AA873560, AA524838, AL133723, T92445, AA137017, F10924, AA663486, AA693484, AW402067, AA205915, H64805, AA226153, AA199616, AL035604, AC005900, AC000355, Z84718, AL035416, AP000351, AC004067, AC004804, AL033521, AJ006996, AL022165, Z97876, AC010072, AC003029, Z98304, AL096770, AP001170, AC006039, AC003024, Z92543, AC007406, AP001068, AC004531, Z83313, AC005162, AC007050, AC005535, AL031294, AC004949, AF146191, AC005823, AC006946, AC007751, Z73361, AL034451, AL132766, Z84487, AJ011930, AC007541, AC002454, AL035695, AL035415, AL109733, AP000049, Z99716, AP000352, Z98950, AL136363, AC008064, AC004626, AC004453, AP000354, AP000311, AP000355, AC005327, AC004051, Z84467, AC006026, AC003686, AC007842, AL022097, AL121823, AC002488, Z86061, AC008179, AL008710, AC002412, AJ006998, AE000659, AL049554, AC007252, AL132985, AL078477, AC005541, Z84719, AL031904, AC006975, AC004996, AC004158, Z95118, AC007993, AC006369, AP000949, AC006115, AF047825, AP000515, AL035252, AL049844, AL049550, AL122023, AC005737, AL049838, AC004024, AC004451, AC004140, AC007277, AC006120, AC007065, AC005597, AL035422, AC003082, AC006031, AC004059, AC002449, AL078621, AL109854, AC006352, AL022069, AC000047, AL031446, AC003973, AL096862, AB019437, AL021397, AL121892, Z98255, AC004994, AC009225, AL118497, Z82205, AC009288, Z84470, AC004842,

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HCWBX67	857	506730	1 - 508	15 - 522	
HCWBX75	858	767491	1 - 121	15 - 135	
HCWBZ78	859	706521	1 - 473	15 - 487	AL050322.
HCWCA51	860	849923	1 - 499	15 - 513	AC002395.
HCWCB37	861	527683	1 - 399	15 - 413	AF150189, AF150193, and AF150184.
HCWCB80	862	529234	1 - 210	15 - 224	
HCWCB89	863	542340	1 - 175	15 - 189	
HCWCC62	864	967306	1 - 386	15 - 400	
HCWCC77	865	527077	1 - 278	15 - 292	
HCWCC82	866	705347	1 - 393	15 - 407	
HCWCE02	867	849968	1 - 312	15 - 326	AI266137, AA446645, AA364006, AA689351, AW419126, AA365520, AA642464, AA223999, AA502207, AA526099, AW192199, H62778, AA805848, AA493464, AA525807, AI885896, AA603323, T67090, AA487209, AI272052, AA971196, W45205, AA228368, AA593471, H81270, AA527633, AA584655, AA485482, AA468505, F13749, AA468371, AA715173, AA715075, AA581895, H15241, AA302763, AA084609, AW028376, F25301, AA824484, AA552809, AI245693, AW089952, AI277211, AA630947, AW188742, AA296614, T65951, H91047, AA583728, S42653, AC004408, AC007136, M87914, AC005859, AC009247, AL135744, AL133353, AL022336, AC004686, AL121915, AP000088, AC004106, AC005049, AC005209, Z86090, AF207550, AC005229, AC002045, AC004975, AC004150, AF196972, AC002044, AC007450, AL049760, AC005484, AP000066, AC006130, AC004999, AC007880, AL022316, AC009516, Z85996, AL096776, AF111168, AC000353, U91321, AC004125, AL031659, AC004797, AL031589, AC006430, AL096791, U80017, AC006026, Z82217, AC002350, AF047825, AC005180, AC008033, AC005324, AP000096, Z94277, AF165926, AC004687, AC005006, D87675, AC004832, AP000252, AC002375, Z95152, AL049872, AP001053, AL035420, U91322, AF134726, AC007845, AC005619, Z84469, AC004673, AC003025, AC004491, AC006014, AL009173, AC002476, AC004813, AC000052, AC005412, AL035400, AC005971, AC007546, AL031681, AC006323, AL035658, Z94801, AC007226, AC004148,

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HCWCE21	868	523224	1 - 540	15 - 554	AA131704.
HCWCE35	869	706489	1 - 289	15 - 303	AW440424, N5515, A1025905, A1285493, A1683426, AL133906, AL133902, AA834670, A1446623, T70299, AC004983, AL035608, AC005800, AC006050, AF165926, AL031282, AF109907, AP000152, AC005354, X74984, AC004922, AF052051, AL049830, AF146367, AC003042, AF124523, AC005291, A1003147, U82668, AC006124, AC004890, AC002306, AC005288, AP000300, AP000549, AC006946, AL031666, AC005221, AC006197, AC004874, AP000113, and AP000045.
HCWCE63	870	527678	1 - 244	15 - 258	T96277, T96279, and AP000555.
HCWCE69	871	757800	1 - 284	15 - 298	
HCWCE71	872	932549	1 - 235	15 - 249	<p>AI884861, N63755, AA586433, A1018726, A1624038, A1246061, AA341865, H71678, R48980, AW192648, AA317414, H81732, AA679353, AW088557, AA662614, AA054639, AW408396, H86579, AA063115, AA730488, AA371883, AA558404, A1367222, A1054090, AW069769, AA486877, W94450, N30205, A1360504, AA985199, AA077637, W42587, AA018923, A1249853, AA012829, A1284543, R87646, A1254770, A1251944, A1251034, A1251284, R33091, A1250552, A1904944, AA303131, AA809011, AA206366, A1926597, R56810, A1459866, AA302660, H52397, AA304790, H53023, A1537800, H61871, AA774006, R19199, AA192731, H90032, A1251241, AL037006, W68328, H65213, A1223626, AW019964, AW303098, AA744095, H07953, T02817, AW265688, F23307, AA295893, A1903464, AA295899, A1369076, AW341741,</p>

<p> AI679045, AI276360, AI061303, AA808725, AA564256, R89560, H56003, AW190302, F35674, T58480, T94592, AI860535, AA846014, AA114131, AA322542, R14824, AI251576, AI355246, AI049504, AA533660, AA524766, AI306232, AI434144, AW274191, AI583466, F25984, AA054085, AI445338, AW169038, AA744423, AW342143, AI859428, AA364323, R94968, H10454, AA468494, AI791659, AA429942, AW327555, AA632907, AI903448, AA628456, H47736, H53217, AA507993, AW085839, AI224619, AA862029, H53284, AI805261, AI612810, AI246192, AA115655, H54252, AA278814, AI880889, T48829, AA297961, AI479068, AI565084, H04971, AI699049, AI929298, AA339789, AI804519, AI929825, AI865980, AA730764, AA62989, AA702724, AA700958, AW005974, R72264, AI539024, AA486819, AI114645, AA678616, AA721530, AA669185, AI004740, AA434346, T54783, N86446, AA731361, AL046818, AW157180, AA721998, AA449979, AA721523, AA363003, AC000063, AC003667, AC006006, AC005593, AL136295, AF042484, AC009225, AL132987, AC006211, AC006398, AL096816, AF093117, AP000295, AC002553, AP000112, U95626, AC004015, Z68284, AL122021, AL078476, AL031446, AC006229, AC005610, AF064861, AC005189, AL049795, AF196972, AC006965, AL035467, AC008119, AC005537, AC007625, AC006511, Z98884, AL031599, AC004069, AL096701, AC006559, AC002120, AL096792, AC004187, AL136504, AC005815, U08988, AL050311, AC006060, AL022717, AL035067, AL009181, AC004855, AC002088, AL034402, AC003106, AL022069, AL023582, AC000094, AL022578, AC005513, AC006324, Z97195, AC006840, AC006077, AC005158, AB020864, AL031584, AL109984, AC007458, AC000085, AC004969, AC005351, AC007869, AC004884, AC002496, AL035687, AL049650, AL034421, AC005053, AC008154, AC002456, AL133246, AL031346, AP000516, AC005799, AC002430, AP000355, AC007384, AC005389, AL031602, AP001137, AL031848, AL035697, AC003111, AL050318, AC005225, AC005261, AL031120, AL109985, AC006213, AC007671, AC009227, AC004805, AC005015, AC002369, AL022319, AC007032, AC006500, Z82206, AC005969, AC002554, AC004812, AL136168, AC002081, AC018633, AL117328, AC004460, AC007065, AL135744, AL096712, AP000885, AC004592, AP000964, AJ011930, AC002556, AL080276, AC000086, AC005546, AL031347, AL049699, AC008072, AC006481, X71402, Z85986, AL117338, AP000565, AC005901, AC005837, AC005089, AC002072, AC004941, AC006296, AC005480, AC004129, AL031845, AJ004862, AP000697, AP000261, AF196779, AC005518, AC006263, AC004949, AC008126, AL049176, AL031664, AC004789, AC004049, AC007199, AP000561, AL049780, AC007055, AL034420, AL031671, AJ003147, Z82189, AC004017, AC006241, D83253, AP000502, AC002551, AC009275, AL110292, AP000100, AP000035, AL020997, AC006465, AL096843, AL132985, AL034423, Z95114, AL133163, AC003088, AC006417, AC004762, AC005872, AL034411, U85195, AF205588, AC022517, AL136297, AC000025, AC000072, AL022476, AL021937, AC004854, Z85987, AC006141, AC004000, AC005823, AF134726, AC005527, D86993, AE000658, AC007656, AC007390, AC008041, AC006075, AL034343, AC004383, AP000514, AL023807, AL008631, </p>					
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HCWCE86	873	964648	1 - 389	15 - 403	AC005587, AL031283, AC005228, AC004972, AC004821, AB020863, AC007392, AC000111, AC005231, AL079305, AL133304, AL078471, AP000432, AL021393, Z86090, AC007031, AL008718, AC002312, AC008134, L35532, AC005529, AC004764, AC005006, Z84719, AC004448, and AL034551.
HCWCF04	874	615626	1 - 39	15 - 53	AF070717, AF049895, AC002425, AL078644, AC004386, AC000353, AC004007, AC007192, AC002400, AC006064, AC002299, AC008067, and AC005756.
HCWCF06	875	954580	1 - 204	15 - 218	
HCWCF91	876	527558	1 - 335	15 - 349	
HCWCF94	877	952684	1 - 536	15 - 550	
HCWCG31	878	527090	1 - 609	15 - 623	
HCWCG62	879	575336	1 - 320	15 - 334	T05617, A1523477, N38803, A1754567, A1754105, A1755214, A1298079, A1863279, AW023975, AA614139, A1860535, AA209436, AA363957, AL042373, A1279417, A1080732, AL038977, A1491755, AA582746, A1624234, A1267356, AA741301, AA489860, A1630894, A1078409, A1278211, A1560073, A1249688, AW316599, F29071, A1686563, AW373645, AA831638, A1038304, AA612578, A1356264, A1569100, AW192599, A1080307, AA832016, AA984543, T67090, A1583142, AA507990, AA311432, H40478, AW071109, AL134167, AL045476, AA995827, AW439703, AA702550, AC005399, AF038458, AL031121, AC012085, AC005014, AL031985, AC002994, Z83844, AR036572, U91328, AC003662, AC006449, AL121653, AC005839, AC007386, AC009501, AC004019, AF064857, AC005589, AF139813, U80017, Z82195, AC002395, AC004963, AC005015, AC006064, AC002094, AC005520, AL031005, AL049282, AC005529, AL022238, AL034429, AL024498, AC003025, AL049829, AC004882, AL034418, AL022331, AC006343, AL133382, X60459, AC003103, AC004986, AC004223, X64467, AL022400, AC004228, AC005018, Z75887, Z97056, AC006111, AP000555, AC010077, AC002492, AL133163, AC007207, AC007385, AL109842, AC004144, AC004131, U89337, AC000092, AP000692, AC005932, AL050318, Z82244, Y10196, AC004991, AC003108, AC006032, AC004664, AC007934, AL049779, AL049636, AC004033, AP000152, AP000011, AC004382, AC006930, AC005578, AL022328, AL035700, AC007731, AC006084, AC005500, AC005182, AC002477, AF049895, AC004644, AP000501, AC003007, AL031589, AL008715, U55184, AL008710, AL049576, AL022313, AC005102, AL049780, AC005017, AC002316, AC004016, AC006125, AL022476, AL031433, AC005482, AC007191, AP001137, AC005037, AL034402, AL035684, AC006292, AC005740, AC006101, AL121754, AC000134, AF053356, AL021546, AC009399, AC006597, AL049229, AC002422, AC004820, AC007536, AC005666, AC006130, AC005086, AL049872, AP001058, AC006480, AC005516, AC006238, AC007228, D86995, AC009363, AC007057, U95743, AF047825, Z98044, AC000353, AC006323, AC004804, AL049697, AC004805, AC003104, AC004876, AL033397, AC000159, AC005632, AF126403, AC007114, AP000359, AC002073, AL031274, A1003147, AC006531, U91321, AL031672,

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HCWCH01	880	920706	1 - 279	15 - 293	
HCWCH22	881	675011	1 - 132	15 - 146	
HCWCH45	882	577704	1 - 292	15 - 306	
HCWCI01	883	921586	1 - 437	15 - 451	
HCWCI38	884	556358	1 - 544	15 - 558	
HCWCI86	885	790718	1 - 147	15 - 161	
HCWCI85	886	529243	1 - 324	15 - 338	AC004002, and L78810.
HCWCL10	887	888992	1 - 466	15 - 480	
HCWCL62	888	715981	1 - 309	15 - 323	AP000277, AL022147, AP000037, and AP000105.
HCWCL67	889	751963	1 - 328	15 - 342	
HCWCM16	890	667392	1 - 231	15 - 245	AC004968, AF001552, and AC004876.
HCWCM65	891	529230	1 - 437	15 - 451	
HCWCM96	892	963564	1 - 225	15 - 239	
HCWCN25	893	518793	1 - 297	15 - 311	AA577748, F17700, AA703972, AA548087, A1446474, H05073, D56402, A1053786, T78484, A1890385, AA837677, A1979005, AA663966, A1254485, A1859834, AA077776, AA492399, AA721615, AA857296, AA663701, AA326410, AL118911, AA503168, AA536015, A1251111, H57826, AA357307, A1859946, N39097, A1538540, AA531554, AA972238, T94328, AA564561, H10143, R32200, R26134, A1633185, M78169, AW419081, A1671035, AW079809, AA515350, AW304531, A1623899, AA487542, R94288, AA297968, T92957, AA564145, AA828762, A1610644, A1291317, AA776552, A1151407, H94870, A1261913, AA148656, A1912514, AA526656, AA614010, AW337454, R91232, AA814510, AA837646, AA827978, AA360987, AA501614, AA235575, AA360996, AA572960, AL031685, U82828, AC008394, AC004854, AL078471, AC002543, AC002082, AC003029, AL035072, AC005971, AC006001, AF196969, AC002312, AC004386, AB023051, AP000512, AC004821, AC004996, AC003041, AC004231, AP000343, AC005740, AL049761, AL020997, AP000513, AC004930, AC004158, AC005519, AL121652, AL133246, AB001523, AC002351, AC020663, AP000330, AL008582, AC005914, U07000, AC002310, AL034420, Z99714, AL109653, AC007262, AP000215, AC004675, AC006257, AC004990, AC005696, AC006023, AC007055, AL033518, AC004883, Z95116,

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HCWCN40	894	835584	1 - 425	15 - 439	AL032822.
HCWCN45	895	723418	1 - 505	15 - 519	AC004098.
HCWCN61	896	924894	1 - 294	15 - 308	
HCWCN92	897	527088	1 - 419	15 - 433	AA716191, AL031432, and Z65992.
HCWCO02	898	920876	1 - 303	15 - 317	AA554430, AA528234, F16356, AC007263, Z86064, AL122023, AL008719, and AC002430.
HCWCO21	899	523225	1 - 145	15 - 159	
HCWCO35	900	706490	1 - 504	15 - 518	F30251, AA371410, AA831919, AA385775, AI929796, AW089625, AL345334, R70883, AI283938, AW008184, AA535216, R92658, F24272, R70884, AA610255, AI885465, AI884383, AI908508, AI908525, AI278801, AC004491, AC004448, AC005291, AL031121, AC007880, AC007193, AC003041, AC008372, AL049776, AF196969, AC005091, AC016830, AC005102, AC006449, AF042484, AC006013, AC005921, AL009181, AC006948, AC005180, AC004242, AC006023, AC007488, AC004659, AC002039, AC004891, AC005399, Z75744, AC004019, AL031733, AL031228, U95742, AC007216, AL035684, AC004087, AC005971, AL110502, AL049646, AL031289, AP000555, AC002425, AL096712, AC007226, AP000689, AL031311, AC005535, AC003663, AC005225, AC008041, AC005820, AC006530, AC002400, AL031588, AC005874, AF134471, Z95115, AL117355, AP000512, AC007056, AC004475, AC004913, L78810, Z83844, AC007690, AC006160, AC006277, AF109907, AC005803, AC005015, AC004686, AC004865, AB020865, AL121653, AC005668, AC005932, AC004921, AC004843, AC012627, AL078639, AC005839, AC005954, AC006441, U96629, AL022165, AC007386, AC004033, AL035413, AC006001, AC004142, AP000302, AC004859, AC009533, AC005736, AL132994, AC006285, AC005726, AC002094, AC007055, AD000092, AC005520, AP000500, AF111168, AC005081, U95740, AL121923, AL121825, U07000, AC002544, AC002470,

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HCWCO54	901	558274	1 - 368	15 - 382	N53621, AW302766, AA843874, AC007677, AP001136, AC009308, AL034377, AP000473, AC003669, Z84469, AC006948, AC007077, AL023799, AP000099, Z97198, AP000036, AL035686, Z68326, AC005341, AC007126, AP000262, AC002367, Z83313, AC009399, AC004806, AL022166, AC002066, AJ229041, AJ133269, AF020801, AF107885, AC007556, AC004597, AC005837, AC002527, and AL080239.
HCWCO63	902	557917	1 - 310	15 - 324	
HCWCO72	903	527546	1 - 296	15 - 310	AC005907.
HCWCO77	904	772515	1 - 99	15 - 113	
HCWCP68	905	573148	1 - 203	15 - 217	AA828573.
HCWCQ15	906	527688	1 - 312	15 - 326	AL008639.
HCWCQ48	907	531423	1 - 106	15 - 120	
HCWCQ95	908	723610	1 - 99	15 - 113	
HCWCR31	909	693632	1 - 656	15 - 670	
HCWCR64	910	526482	1 - 309	15 - 323	N66690, AI200947, AI127410, AI932346, AW008872, C06101, and AA053116. AW150387, AA533054, H71678, AA568314, AW419389, H72278, AI187148, F31811, AL040374, AI431513, AA605266, AA610433, AA904211, AA018923, AA513921, AW167154, AA468505, AA468371, AI880329, AA516320, AA809179, AI917132, AA056248, H67064, AA579278, AA493628, AA492524, AW002831, H72688, AI640411, AA605201, T74524, AA228368, AA721561, AW275699, AA742775, AA282951, AA862075, AI583291, AA365520, R74433, AA577141, AI635440, AA689351, N73060, H84412, H79453, AA515138, AI569401, AI366993, AI915293, AA526193, AA502098, AC004525, AC002303, AC007227, AL024507, AL021368, AC005088, AF196969, AF030453, AL034371, AL031905, U62317, U95743, AC004985, AC002565, M87889, U95741, AF053356, AC005971, AC004883, AL031657, AL022336, AC006079, U07000, AL049539, AL049780, AC008072, AC005841, AP000052, AP000120, AP000702, AF111168, AC002375, U02047, U91323, AC004815, AC004862, AC005828, AC004887, AC006241, AL031282, AC002352, AC006486, AC000004, AL096701, AC009516, AC004983, AL049569, AC006088, AL031056, L78810, Z84487, AC005244, AP000320, AC009464, AL049758, AL020997, AL049692, AC004448, AP000884, AC006285, AC003663, AC005899, AC004466, AC003085, AC005041, AF002223, AL031985, AL121769, AP000141, AL021918, Z98941, AC006965, AC005632, AL109801, AP000167, D87009, AC006449, Z95113, AP000553, AC004685, AC006117, Z95152, AL033527, AF047825, AF134726, AC002551,

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HCWCS12	911	585202	1 - 285	15 - 299	
HCWCS51	912	921636	1 - 217	15 - 231	
HCWCT07	913	954070	1 - 258	15 - 272	AC002306.
HCWCT23	914	676336	1 - 250	15 - 264	
HCWCT48	915	741925	1 - 447	15 - 461	AC005599.
HCWCT85	916	527543	1 - 321	15 - 335	
HCWCU01	917	921618	1 - 310	15 - 324	
HCWCU17	918	577688	1 - 329	15 - 343	AA729117, AL1791301, AL1791458, AL1732502, AA171892, and AA526416.
HCWCU32	919	725584	1 - 427	15 - 441	
HCWCU57	920	764602	1 - 451	15 - 465	AL014353, AA592982, and R17976.
HCWCU58	921	527695	1 - 305	15 - 319	AW418610, and AL109667.
HCWCU63	922	527541	1 - 163	15 - 177	
HCWCU94	923	713416	1 - 292	15 - 306	
HCWCV01	924	921569	1 - 293	15 - 307	AI433503, AA715955, AW150900, W04964, AL031662, AL109623, AP000009, Z98742, and AF196969.
HCWCV09	925	861950	1 - 420	15 - 434	
HCWCV16	926	861839	1 - 552	15 - 566	

HCWCV58	927	966512	1 - 314	15 - 328	W21218, AI445373, AI049701, N42508, AI870444, AA151904, AI564301, AA147801, AL134898, AL120698, AI056259, W63553, AA515172, N73169, AI246061, AA278496, AW019964, N77384, AI537020, AW238016, AI557090, AI223626, AI973173, F08866, AW021116, R48980, AI860535, AI054090, AI251024, AA728861, AA565911, AA715351, AI284543, AI254770, AA448050, AI927261, AI251944, AI251034, AI251203, AI251284, AA559166, AI250552, AL096791, AC010205, AP000201, AP000097, Z99716, AP000240, Z98304, AC003087, AP000556, AL031685, AC006211, Z98742, AC005034, AC004223, AC002476, Z83844, AC007380, AP000557, AL034555, AC005839, AL132716, AL034449, AP000553, AC003007, AC004991, AC012083, AC002381, AC002425, AL022324, Z98946, AC005015, Y10196, AP000355, AC005821, Z93023, AC002470, AC002091, AL139054, AF130342, U80017, AL035420, AC004485, AL121653, AC009509, AC005740, AC005722, AP000248, AB023049, AR036572, U91328, AC004126, AL033397, AC007707, AL049694, AC006130, AL035659, AL109865, AF196969, AC005829, AL109657, AC002368, Z84466, AC009247, AC002347, AC007055, AC005011, AF001549, AC004827, Z98048, AP000352, AL031680, AC005235, AL049794, AC005081, AC003029, AC003101, AC004079, L44140, AC005261, AL121652, AC004659, AC006992, AL034419, AF111168, AC005003, AC005486, AP001053, AC012384, AC006285, AC005089, AC005534, AC005071, AC004797, AL022165, AP000343, AC006312, AC005519, U89337, AL078613, AC003663, AP000501, AL021878, AF200465, Y07848, AC002457, AC003982, AC005696, U95739, AL022334, AC006511, AC006333, Z98051, U96629, AP000039, AP000107, AL079340, AL031281, AC009399, AC007057, AL031228, AC002563, AL035587, AC005919, AC005274, AC005911, AL035071, U91323, AC005072, AL031286, AL121603, AL034582, Z84489, AC008498, AC004491, AP000345, AC007193, AC004448, AC005952, AP000555, AC007225, AL133163, AC005330, AL050404, AP000689, AC005632, AL096701, AC005225, Z83826, AL109801, AL035682, AP000344, AL008718, AL022326, AC004139, AL008627, AL031985, AC005799, U78027, AC004834, Z98941, AC004821, AC005014, Z98884, AF196779, AP000300, AC005095, AC006512, AC007934, AL117337, AC007200, AL035422, AC005243, AL031283, U82828, AC005332, AC005971, AL035089, U52112, AL022336, AC005702, AC004891, L48038, AL132826, AP000113, AP000045, AC007011, Z93017, AC004816, AL022319, AC004647, AC006529, AC004859, AC005684, AC007551, AF205588, AL049692, AC004475, Z98044, AL034553, AC007371, and AC003689.
HCWCV75	928	527080	1 - 226	15 - 240	
HCWCV85	929	966987	1 - 318	15 - 332	AC004801.
HCWCV93	930	792550	1 - 76	15 - 90	
HCWCX18	931	574933	1 - 364	15 - 378	
HCWCY16	932	507191	1 - 215	15 - 229	
HCWCZ33	933	523265	1 - 223	15 - 237	
HCWDB74	934	521894	1 - 265	15 - 279	AA745628, N69399, R32162, T51436, AI246386, H80215, AI139971, N27874, AA565911,

AA523719, AW390278, AI566236, AA515160, AA299351, AA425924, AA984585, AI583745, AA649174, AW377921, AI570019, AI281622, AI679759, R70884, AA833828, AW377907, AW377863, AW377912, AA078384, AA468494, H60331, AW176639, H63953, AA468956, AW390555, AW377894, AL038977, AW377926, AW377843, AW377862, AA484191, AW390250, AA702637, AA584788, AI133083, AI246061, AA516018, AA678616, AW151870, AA548221, AI524240, AA468975, R70883, AW384076, AW237903, AA514450, AA218835, AI734155, AI282821, AI983447, AA722331, F33820, AI749306, AI538491, AW270255, AW337483, AA309457, AA334993, T31290, AA357878, T53133, AW179040, AA572813, T40210, AI369925, AA579281, AI240755, AA625565, AA419225, AI290777, AI373810, AA366676, AI628482, AW379218, AL042667, AL042670, AA564925, AL050321, AL023807, AL033524, AC005081, AC005015, AF121781, AL035106, AL080243, AL049611, AC005225, AL031286, AF001549, U61981, AC005746, Z69705, AC005940, AC002112, AP000131, AP000209, AC004754, AL049776, AL034421, AL022069, AC005291, AJ011930, AL008629, AL022400, AL031428, Z82179, AL022336, AP000264, AP000101, AP000035, AL035690, U50871, AL035445, AC005368, AC005527, D87675, AC005480, AC005844, AC007227, AL022721, AC007283, AC003963, AC004890, AC000003, AC002073, AC005901, AL049712, AC007656, AC006305, AP000094, AC003954, U66061, AC005516, AC007298, AC005235, AF067574, AC005529, AC005383, AC006576, AC010170, AC005972, AC005821, AC002390, Z84474, AL031848, AP000501, AF184110, AP000502, AF134726, AC006059, AL109865, AF109907, AC006271, AC005899, Z98749, AC002456, AC005037, AC004137, AC004966, AP000140, AP000089, AL022326, AL035455, AL049588, AC007226, AC005874, AF134471, AC002542, AL139054, AC005377, AL033392, AL022725, AC005011, AL121769, AP000543, AP000239, AL031588, AC009275, AC004230, AL034548, AC009308, AL031257, U96629, AC002472, D28126, AP000282, AC007536, AC004913, AL049563, AC005086, AL022396, AF047825, AF053356, AL096774, AC004216, AC006008, AC006241, AC005091, AP000313, AC004209, AL022311, AL021937, AP000513, AL034350, AC003070, AC004020, AC005694, AP000194, AL035413, AB020863, AC006417, AP000088, AL049834, AC005164, AL078639, Z95118, U95742, AC012085, AP000108, AP000040, AC006088, AC004583, AC004500, AC004812, AP000050, AP000248, AL096791, U91326, AC007263, AF030876, AL121825, Z84466, AC002395, AL049781, AC000041, AF045555, AL020997, AC005914, AL031668, AC007666, AC000035, AC004143, AL022237, AC003030, AC004558, AC004217, AC002551, Z98048, AC000025, AL034551, AL022324, AC019014, AP000350, AC005261, AC005010, U85195, AF111168, AE000658, AC006011, AP000117, Z98745, AC007934, AC006254, Z92542, AC005230, AL035071, Z99943, AL035460, AL133245, AL121653, AC007425, Z82194, AC006430, AC007347, AL022238, AC006001, AC007057, AL049872, AC006277, AL034423, Z95400, AC008273, Z95152, AC004805, AF172277, AC005678, AC005184, AC005722, AC002289, AC002369, AP000503, AC005846, AC002403, AC005288, AC002307, AC010202,

						and AC008041.
HCWDB94	935	531417	1 - 299	15 - 313		
HCWDD15	936	660571	1 - 264	15 - 278		AI697096.
HCWDD60	937	575555	1 - 147	15 - 161		
HCWDG46	938	715509	1 - 147	15 - 161		
HCWDG49	939	861951	1 - 449	15 - 463		
HCWDH65	940	574250	1 - 533	15 - 547		
HCWDH85	941	574262	1 - 168	15 - 182		
HCWDH92	942	790618	1 - 212	15 - 226		
HCWDI37	943	849867	1 - 414	15 - 428		
HCWDI43	944	527685	1 - 309	15 - 323		
HCWDI64	945	924632	1 - 238	15 - 252		
HCWDI72	946	573034	1 - 163	15 - 177		
HCWDI79	947	526765	1 - 394	15 - 408		
HCWDI82	948	671636	1 - 221	15 - 235		
HCWDI89	949	953750	1 - 756	15 - 770		AA703394, AA128633, AA001607, T91402, AA001264, T84635, AA877628, and T25726.
HCWDI92	950	733422	1 - 341	15 - 355		AP000456, and AL078474.
HCWDI21	951	524780	1 - 347	15 - 361		
HCWDI23	952	527555	1 - 346	15 - 360		
HCWDI31	953	531418	1 - 262	15 - 276		AA843450, AA077952, F19258, AA626678, AA469451, AA340003, AA743956, AA745410, N27351, AA327323, AW438916, F29989, AW406755, AI872227, R91994, AW021583, AI358229, AL041368, AW340844, AW440836, AI365988, AI792108, AW339687, AI635272, AA618158, AI439269, F31204, AI824562, AA077817, AI246796, AI205126, AA515128, AW105538, AI003734, AL133723, AI803348, AI250019, AW236342, AI144055, AW088202, AA932099, AA594145, AI216799, AA377730, AA077223, F37286, AA486680, AA016075, AW304584, AW440976, AA947801, AA515938, AA228329, AL040913, AW269639, AI820539, AI286264, AA515435, AA551509, AI003743, AI291124, W60516, F35659, AI291268, AI963263, AW074398, AI537030, AW419262, AL037554, AA610786, AI267847, AA362700, AA084070, AI653809, AW104748, AI608626, AI003172, AA515224, AA713815, AL138265, AW086257, C16459, AI962050, AA745582, AA077935, AA581342, AA338234, AL079812, AA633892, AI050007, AI917271, AA363989, AI471481, AA744074, AA744088, AA745355, F25203, AL120483, AA515051, AI357551, AI929531, AI049722, AI433187, AW162049, AW303876, AI284640, AI816537, AI908628, AA557879, AI873916, AW407578, AA501344, AI469878, T12272, AA659774, AA252729, AA338431, M78177, AI802526, AI952786, AI244758, AW274349, AI890923, AA715606, AW338754, AA341398, AI866964, AI240891, AW303196, AW301350, AW188484, AW029038, F36273, AI306524, AI287284, AI904894, AW166815,

AL147413, AA984191, AW338500, AW265253, AA179136, AA348248, AA557325, AA192740, AA669961, AA178953, AI082510, AW193432, AI688846, AI291823, AA252763, AI312790, AI039809, AI336054, AI355587, AI138455, AA025083, AI139968, AA229785, AA598824, Z98473, AA729264, AI282832, AW028400, AW327961, AW131034, AI761471, AI951928, AA503258, AW327960, AI926846, AA679872, AA856981, AA501614, AA501600, R68874, H16048, AA664535, H86388, AA024517, AI890540, AW419118, AI000800, AI610159, AA327782, AI610920, AW242020, AA434484, AW102955, AI951889, AW419161, AL110444, AA078849, AI133164, AW193265, AC004072, AL034379, AC007537, AC006571, AC005826, AC005544, AC005988, AC004152, AC005288, AC004930, AP000008, AL031905, AP000704, Z84469, AB031740, AL031650, AL009179, AL133512, Z95329, AC005409, AL117355, AL030996, AC005389, AL031655, AC005915, AC005899, AL021368, Z82214, AC006080, AC004542, AC005914, AC005864, Z98946, AF181896, AC005324, AC002429, AL022310, AC007388, AL121655, AL121576, AC006024, AI246003, AC006456, AL079340, AL121757, X96421, AL035688, AL035417, AC005043, AC005703, AL034554, AL035588, AP000014, Y10196, AC007239, AC005274, AL121603, U91326, AC006057, AC003013, AP000114, AP000046, AL049557, AL031681, AL031258, AC007695, AC003959, AL049635, AC006026, AC007226, AL078603, AC000026, AF129756, AC006040, AC003084, Z86090, AF027390, AC004167, AL022329, AC006317, AP000359, AF165175, Z68870, AC009464, AL049830, U02048, AC005574, AP000456, Z82190, AC003030, AC006137, AL031983, AC004614, AL121825, L77570, AC005003, AC002451, AC005681, AL022721, AC007319, AC006374, AC004506, AC007021, AL049814, AC003007, AC005041, Z83819, Z83849, AC005738, AC004186, AC005781, AC004854, AL008582, AF031078, AL031297, AL031286, AC004132, AF030876, AC007899, AC005295, AC004972, AL133321, AL035089, AC004491, AC000134, U66059, AL035683, AC002067, AF124730, AL109628, AC005081, AC007919, AL049697, AL109758, AL121653, AC004228, U47924, Z97181, AB023048, U73633, AC004027, AL035530, AL035427, AC005175, AC006160, AC008498, AP000553, AC004909, AL135746, AC004019, AC005755, AP000695, AC005277, AC005839, AL136297, Z76735, AC005537, AF029308, AC004382, AC004903, AL121823, AF042091, AC002487, AC005632, AC003003, AF049895, AC005412, AC000045, AF190465, AL049760, AL049709, AL031577, U95742, AC007533, AL008723, AL033403, AC007955, AL049832, AL022238, AL031597, AC005821, AP000517, AL049839, AL034384, M87918, AC004947, AC005166, AL033518, AC007677, AC008115, Z82215, AC007285, Z98885, Z83822, AC008125, AC006480, AL049776, AC006030, AC004008, Z95115, AL022170, AP000330, AC004889, AL049757, U91322, AC007011, AP000215, AL023553, AC006088, AC004805, AC007510, AC002553, AC005088, AC004991, AC005224, AB023054, D87675, AC008012, AL049779, AP000459, AC004975, AC006145, AC007262, AF094481, AC002117, Z98950, AL031279, AC005291, Z98751, AC004770, AC007666, AC005678, S48196, AL034408, X53795, AC006353, AL096791, AC002543, Z83001, AC005264,

HCWDJ45	954	523227	1 - 440	15 - 454	X55448, AC006388, Z85987, AL021940, AC004029, and AC005011.
HCWDJ89	955	697736	1 - 410	15 - 424	AC003678, and AC003689.
HCWDL19	956	669721	1 - 356	15 - 370	AA279751.
HCWDL45	957	889416	1 - 397	15 - 411	Z98747.
HCWDL68	958	752320	1 - 163	15 - 177	AA315353.
HCWDM02	959	920563	1 - 413	15 - 427	
HCWDM06	960	935898	1 - 175	15 - 189	
HCWDM07	961	953742	1 - 468	15 - 482	
HCWDM14	962	849962	1 - 370	15 - 384	AW275378, AA551080, AA971039, D45576, Z60609, and Z60608.
HCWDM23	963	676215	1 - 449	15 - 463	
HCWDM60	964	754785	1 - 324	15 - 338	
HCWDM79	965	578967	1 - 340	15 - 354	
HCWDN15	966	557862	1 - 193	15 - 207	AF049574.
HCWDN60	967	861882	1 - 273	15 - 287	AW104830, and Z99714.
HCWDO11	968	967364	1 - 339	15 - 353	
HCWDO56	969	961273	1 - 516	15 - 530	
HCWDO65	970	920523	1 - 424	15 - 438	
HCWDP85	971	747141	1 - 282	15 - 296	
HCWDQ35	972	573577	1 - 311	15 - 325	
HCWDR01	973	839104	1 - 465	15 - 479	
HCWDR42	974	529354	1 - 285	15 - 299	AC022517.
HCWDR63	975	849899	1 - 531	15 - 545	AC006146.
HCWDR86	976	527690	1 - 513	15 - 527	H47333, AA465102, AA614574, AC006343, AL049759, AC004876, AC006515, AC007057, AC005370, AL096755, AC004084, AC005037, and AC005488.
HCWDR89	977	787025	1 - 283	15 - 297	
HCWDS10	978	880973	1 - 410	15 - 424	AA158919.
HCWDS19	979	418009	1 - 203	15 - 217	
HCWDS26	980	684696	1 - 370	15 - 384	A1859744, AA525331, AW249151, A1720943, AA715075, A1567391, AA715173, AA482928, AA209208, AA774098, AW372037, AL049569, AC004962, U82828, Z97054, Z84466, AC004087, AC007684, AC006312, AL022323, AC005971, AL034420, AL021154, AC003108, AC007298, AC002477, AC005527, AC003003, AL031663, AC007160, AF001549, AF109907, AL049843, AC005280, AC004520, Z97353, AC005399, AP000213, AC004222, AC002549, AC007685, AP000135, AL117258, Z98949, AC005914, Z95115, AC005529, AC004554, AP000031, AC006116, AC002302, AC006077, AC005324, AL133245, AC006006, AC005618, U96409, Z82206, AC006210, AC006195, AC004884, AC005235, AC007686, AL034429, AC002349,

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HCWDS40	981	523301	1 - 427	15 - 441	
HCWDS41	982	669754	1 - 352	15 - 366	AA093224, N89520, and AF045432.
HCWDS48	983	861849	1 - 425	15 - 439	AI937612, AA729747, AW081591, T57592, and AC005261.
HCWDS52	984	771881	1 - 343	15 - 357	AI049996, AI538540, R94288, AA365586, AI952900, AC004253, AC004815, AC005529, AC004686, AC002351, AC005722, AC009178, AL049709, AJ003147, L44140, AC005231, AC005071, AL135744, AC007676, AC004895, Z99716, AC008372, AC002126, AC000120, AC006241, AC005527, U48696, AC005841, AC006486, AC002316, AC004024, AL121852, AC006023, AC005703, Z68324, AL031767, AL031848, AC005781, AC006538, AC006084, AC006285, AL080243, AC004820, AL035413, AL133448, Z93023, AP000552, AL022721, AF196779, AC009464, AL050307, AC005348, AC004623, AL109799, AC004067, AC004887, AL034420, AL117694, AP000688, AC004890, AC011311, AP000513, AC007225, AC002477, AC007376, AL031680, AC016025, AF196969, AL133249, AC004526, AC002073, AC004263, AL021578, Z85987, AC002365, and AC007686.
HCWDS55	985	861943	1 - 441	15 - 455	
HCWDS59	986	934914	1 - 417	15 - 431	N83993, N83168, AC004924, and AF045432.

HCWDS61	987	741992	1 - 394	15 - 408	AA406404, AW405796, AA233053, A1741861, H67245, AA202217, A1301933, R69395, H43955, AA625270, AA371992, A1033494, N42102, AW025130, AA010129, A1870802, R48046, A1799541, H26714, A1304348, A1017809, A1310484, AA056473, A1220164, AA234535, A1208430, A1470071, A1560756, H81562, H26715, A1131097, AA232686, and AC004258.
HCWDS83	988	612257	1 - 480	15 - 494	N88601, AA247964, N88782, AA095359, H58760, N83168, N89520, N84855, N83991, AA247827, N83992, AA096046, N84048, S78798, AF103726, U48696, AF045432, AF039698, AF102850, and AR066487.
HCWDS91	989	557931	1 - 431	15 - 445	AC005940.
HCWDS94	990	959650	1 - 417	15 - 431	
HCWDT12	991	573487	1 - 368	15 - 382	
HCWDT84	992	542238	1 - 320	15 - 334	
HCWDV17	993	974478	1 - 684	15 - 698	N88601, N84855, N89520, N83992, AA095359, AA247827, AA247964, N84048, N83991, AA096046, N83168, N88782, H58760, AA093224, N84718, N83993, AA095641, AA096066, N86694, N84712, AA471338, N55698, N88518, N84830, N84829, AA215908, AF045432, AF103726, S78798, AR066487, AF039698, AF102850, U48696, AF032922, A1243486, and U39066.
HCWDV82	994	529210	1 - 124	15 - 138	AL132712.
HCWDW05	995	852997	1 - 332	15 - 346	N57782, AW157128, A1038029, AA129000, A1061313, AA349923, A1520984, A1174489, A1828721, A1285651, R79396, AW192002, AW337817, AA533660, M77964, AW021674, AA557945, AA364147, AA135761, AA018258, AW021847, A1572680, AW069110, A1370470, N80469, A1308529, N55076, AA610644, AA205931, AA579417, H24331, F17312, AA526659, A1345256, A1708565, A1307563, N99564, H52795, A1003391, AA828840, AA730530, H59856, AA526658, A1003068, AW020682, A1684999, A1760850, AA218684, AA084320, A1567676, AA676462, AA084148, AW028376, H53373, A1124558, AW341878, AA834891, AA598497, R87909, AA053463, R86876, A1570067, T59937, AA468923, R88475, AA083850, AW069769, AA372646, AA632869, AA293809, H81012, AA411337, A1884404, F04021, AA613765, A1926876, AA015948, AA658443, AA748071, F24745, AW243864, H57065, AL044566, N25281, N55296, AA227713, AA369465, AA640305, H05066, AC004983, AC005234, AC003102, AL079342, AF111168, AD000671, K03021, AL031291, AL022318, AP000691, AC005031, AC005046, L47222, AC005331, AC004999, Z98200, AL133448, AL049540, AC006088, AC005839, I34294, AC005412, AL121655, AC005332, Z97630, Z93017, AL121825, AC007537, AC006953, AC005180, AL080243, AL035071, Z84488, AC005837, AC002369, AL035587, AC005089, AC007055, U85195, AP000692, L47229, AC006946, AC004491, AC005081, AC006116, AE000658, AC005329, Z94161, AC002310, AC005102, AC004099, AC007051, AC005755, AC005696, AC006277, AC007919, AP000689, AC005355, AC007546, AC005666, AC005768, AC005011, AC002312, AL034548, AL050321, L47227, AL135744, AC005682, AC007676, AC012627, AC005300, AB001523, AC000379, AC000039, AC006538, AC006251,

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HCWDW08	996	861936	1 - 372	15 - 386	AC011625.
HCWDW13	997	523236	1 - 344	15 - 358	
HCWDW17	998	849938	1 - 294	15 - 308	
HCWDW29	999	849939	1 - 223	15 - 237	H05821, AI821975, AI022708, R98591, AC003662, AC004966, Z99128, AC005510, AC004859, AL079342, AC005067, AL031577, AC007425, U62317, AC004686, AL049631, AP001040, AC006014, AB023051, AP000512, Z74739, AC003109, AC004834, AL022238, AC009509, AC005488, AC000026, AC002059, AC005874, AF134471, AC005844, AC005737, AC010205, AC005476, AC002045, AC000039, AC004750, U95740, Z83845, AC002551, AC005015, and AP000496.
HCWDW33	1000	573554	1 - 333	15 - 347	
HCWDW42	1001	462405	1 - 533	15 - 547	AA828984, AA365347, N43757, AA450199, AI921649, AI376100, AW074059, AI356904, AI922654, AI564284, C18357, C18360, AA658235, N53150, AA100489, T28550, AI956124, AI453383, AA593060, AA428414, AI192337, F26152, AI570138, AA829106, AA776936, AA828704, AA776921, T16592, AA584749, M86058, AA228329, AA653964, AA328591, AA303261, AA353595, AA723017, F24284, N59782, AA320748, AI371429, W07032, AA703692, AA397572, AI372413, AI758582, AI364809, AI176924, AA927637, AI340453, AA558656, AI561335, AA372875, AI061334, AI053672, AI334443, AA919037, AA196020, AI349874,

					<p>C16624, AW117750, AI688846, AI921188, AW303876, AI963720, AA528516, AL046409, AI344844, AC007848, AC004712, AL121603, AC006277, M62424, AR025392, AP000352, U96409, AL033381, AC004066, AL109799, Z84718, AC005338, AL136295, X03272, AP000496, AC004862, U63721, AP000134, AP000212, AF107885, AC005866, U66059, L78833, AC004941, AP000350, AF131217, AC003983, AP000351, AL121934, AC006333, Z99774, AP000692, AC004592, Z92540, AC008115, L49046, AC005887, AC004992, AC003966, AC005618, AL022329, AC007536, X78901, AC006538, AL021918, AC006241, U47924, AC004802, AC006120, AL096862, Z84474, AL109984, AC005856, U95740, AC006332, AC007263, AL022323, AP000356, AL031733, AC004638, AC003112, AL049613, AP000512, AL022318, AL079340, AL049757, AC004933, AC005696, AP000034, AC004741, AC007435, AC005690, AL020993, AL009031, AC002326, AC005940, AC006007, AL133382, AL035681, AL121591, AC007285, AL008629, AL031255, AF023268, AC006146, AL035460, AC006462, AL049776, X53548, AC005625, AP000252, AC006077, AL049610, AC004542, AP000031, AL139054, AP001053, AC006285, AC007680, AL035071, AL133485, AC009516, AL109657, Z99496, AC008134, AC003035, U07977, AL121915, AC004804, AP000553, AC002508, AC016026, AL049712, AL021155, AC004010, AP000354, AC003050, AC005231, AC006511, AP000552, AP000230, AP000144, AC004895, AC020663, AC000353, AC007707, AC008173, Z86062, AP000555, AC006211, AL049766, AC004948, AC005911, AC003977, AL049759, AC004168, AC006449, AL132987, AL031276, AC005284, AF190465, AC002425, AC004468, AC004383, AC002544, AL035361, AC005998, AC000003, AF023460, AC004659, AF015153, AC004087, AL021877, AL023284, AC004650, AC005703, AF108083, AC002364, AC006001, AC006157, AC005486, AF165926, and AL133245.</p>
HCWDW43	1002	714423	1 - 345	15 - 359	<p>AW419201, AW274349, AI625244, AI613459, AL042420, AW302013, AI284640, AI312309, AW166815, AL119691, AA713815, AI471481, AA682912, AA581903, AW162049, AI929531, AL046409, AI281881, AA493464, AW073470, AW167799, AA531372, AA634227, AI859742, AW020340, F36273, AW303196, AW103981, AF177861, AI339850, AA425283, AA601492, AA521323, AA502103, AA630476, AW085751, AW301350, AA229005, AW103758, AI310670, AI567674, AW265385, F30933, AA244357, AW304584, AW341992, AI754955, AA219129, AW072963, AL038785, AI702049, AA521399, AI368745, AA593247, AA489390, AI935827, AI061143, AL036334, N53150, AI801591, AA631915, AA525824, AI889781, AI611990, AW162314, AI367975, AA469451, AA584201, AL042753, AA806796, AI174703, AA837677, AW265468, AA595661, AL121039, AW162332, AC005808, AC007051, AC007919, AF077058, AF015151, AL121934, AC005907, AL023575, AC007066, AC005754, AC005049, AC006511, X75335, AL139054, AL034420, AL009181, AC005330, AL049636, AL008582, AC007216, AL031680, AC005225, AL035659, AC002310, AC006037, AL009179, AC002544, U91326, AP000503, AF134726, D83989, AC004134, AC004099, Z85986, Z93023, AL022322, AC005231, AL035460, AL050312, AL049874, AC016026, AC006277, AP000704, AC016025, AC007845,</p>

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HCWDW57	1003	927656	1 - 235	15 - 249	AC004961.
HCWDW61	1004	574859	1 - 351	15 - 365	
HCWDW62	1005	849960	1 - 586	15 - 600	
HCWDW73	1006	861934	1 - 373	15 - 387	AA341865, AA363003, N40092, AI819262, AI061303, T30418, AI372604, AA322542, AW169038, H53217, AA078184, AA668166, T97322, AA572753, AA455205, AI359200, AA626840, AA515254, AI188049, AI270647, AA010973, AA420801, AL048275, AW247389, AA683091, AA350406, F00564, R95840, AA215585, AL079869, R49266, AA047849, N47855, AW327852, N52323, AA078137, N33851, AA713714, N72170, AF034180, AA470567, H60249, AI678581, H78898, H67649, AW068580, AA513884, AC003980, AC006241, AL031680, AC004552, Z93017, AC004805, AC002425, AC005069, AC005546, AC007011, AL109613, AC005632, Y14768, AC006254, AC007216, AC005920, AC005335, AC006312, AP000505, AC002073, AC007386, AC002352, AF196969, AF109907, AP000345, AL096701, AP000346, AL031846, AL031597, AC002400, AC003013, AC002398, AL049780, AL024508, AC005829, AC005089, Z99716, AL031662, AL136295, Z93930, AC004500, AP000359, AL080242, AL133312, AL024498, AC007388, AC006565, AL008718, AC005399, AC007276, AC005578, AC004895, AC011311, AP000696, AC004796, AC004491, AC006141, AC005231, AL031577,

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HCWDW74	1007	952698	1 - 421	15 - 435		
HCWDW78	1008	773698	1 - 336	15 - 350		
HCWDW90	1009	529233	1 - 301	15 - 315		
HCWDW93	1010	574155	1 - 401	15 - 415		AL137740, and AF198488.
HCWDW94	1011	753166	1 - 942	15 - 956		
HCWDW96	1012	975401	1 - 52	15 - 66		
HCWDX19	1013	523233	1 - 447	15 - 461		
HCWDX22	1014	967361	1 - 415	15 - 429		
HCWDX36	1015	861932	1 - 366	15 - 380		AI022659, AI248903, R16508, AL036251, AI688963, AI537814, AC005015, AC006512, AC000120, AF173228, AF053356, AC000119, AL096701, AP000558, AC007263, AC005519, AC002301, U47924, AC005902, AC004491, AL022316, AC005081, and AF003626.
HCWDX39	1016	573574	1 - 332	15 - 346		
HCWDX52	1017	661568	1 - 535	15 - 549		AW339619, AW169183, AI797998, AA595661, W85818, AL042667, AL042670, AL039117, AI744963, AA489390, AI732596, AI439525, AI251696, AA132947, AA748071, AW057760, AI732563, AA180056, AW265468, AW272815, AI174703, AI285651, AI049999, AI473671, AI250552, AW072963, AI254508, AA664963, AI251284, AI251203, AA564256, N70293, AA729004, AI251034, AI310670, AW409626, AI523205, C14614, AA814719, AA133568, AA598608, AI679486, AI869797, AI284543, AA599712, AA993373, AI224583, AA814503, AA639155, AI088903, AW273201, AW273146, AA425283, T03928, AW303098, AI308529, AA584484, AA503018, AA157876, AW086291, AI690379, AW020094, AW410844, N27340, AA324108, AI254770, AW409621, AA648605, AW069273, AI254267, U85195, AE000658, AC004263, Z99291, AP000510, AC002312, AC005837, AL009181, AC004587, AL109827, AL034420, AL139054, AF196779, AC005154, AL031293, AC002477, AC007384, AC004196, AB023048, AC006162, Z98036, AC006011, AC005740, AC002302, AC009516, AC005215, AL133163, AC005228, Z98051, AC007216, AC003029, AL133448, AC004973, AL121652, AL031311, AL135744, AC005041, L44140, AP000133, AP000211, AC002430, AL034549, AC005355, AC002314, AC004634, AC005829, Z95114, AC007240, AL022165, AC005913, AC002996, AL008582, AC005067, AL022334, AL109952, Z84469, AC004522, AL049569, AL035086, AF196969, AC006285, AC005225, AL035587, AC005409, AL031427, AC004148, AC004876, AC005839, AC003665, AC004929, AP000355, AC010205, AL096791, AC005330, AC004812, AP000252, AC005231, U47924, AC004887, AL034421, AC005257, AP000356,

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HCWDX65	1018	920877	1 - 340	15 - 354	AL031296.
HCWDX76	1019	932614	1 - 226	15 - 240	AA081685.
HCWDX85	1020	861933	1 - 330	15 - 344	T27308, and AA187085.
HCWDY47	1021	573557	1 - 303	15 - 317	
HCWDZ13	1022	657398	1 - 383	15 - 397	
HCWDZ89	1023	576697	1 - 203	15 - 217	
HCWEA30	1024	681277	1 - 396	15 - 410	AL079734, AA581247, AA452887, AI912401, AA614163, AA182731, AA559241, AW151247, AA084609, H53217, N72170, AA228349, AI146750, AW188742, F00564, AL048275, AL038842, R95840, H66577, AA713705, AA470567, AI251429, H60249, N33611, T74524, AI289505, AI635440, AA654874, AA581471, AW237905, AI742168, AA228338, AA297666, AW008169, AA181917, AI249688, AA666295, AA601674, AA502991, AA481887, AA326034, AA570255, H63660, AL109827, AC007546, M37468, U47924, AC004230, AL109758, AC007226, AC004813, AC005379, AC004217, U91326, AC004150, AC006538, AC005924, AC005746, AC005212, AC004841, AC005399, U96629, AC009263, AC005332, AF003626, AC008072, AC007285, AL049643, AC005911, AP000502, AL135744, AC005288, AC004876, AL035697, AL136295, AF030453, AL109963, AF196779, AP000065, AC007277, AC004878, Z83822, AC005067,

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HCWEA65	1025	849918	1 - 214	15 - 228	AC009405.
HCWEA77	1026	666180	1 - 359	15 - 373	
HCWEA78	1027	697596	1 - 295	15 - 309	
HCWEA82	1028	719028	1 - 356	15 - 370	AC006026.
HCWEA84	1029	506718	1 - 331	15 - 345	
HCWEA86	1030	574858	1 - 339	15 - 353	
HCWEB11	1031	975408	1 - 65	15 - 79	
HCWEB25	1032	925102	1 - 389	15 - 403	
HCWEB28	1033	932114	1 - 341	15 - 355	AL139054, AC004408, AL031427, AC006285, and AL078581.
HCWEB33	1034	925286	1 - 352	15 - 366	
HCWEB37	1035	849854	1 - 411	15 - 425	
HCWEB40	1036	514584	1 - 488	15 - 502	AL046409, AL079645, AL732151, AL754955, AL587583, AL061313, AL120343, AL431303, AL755214, AL754567, AA651639, AW265385, AL244127, AL754105, AW069227, AL254779, AL044858, AA574442, AA284247, AL754653, AW020088, AL042635, AW301350, AW303196, AL1919265, AL281881, AA527602, AW162288, H07953, H05940, AW275432, AW274349.

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HCWEB56	1037	527051	1 - 534	15 - 548		
HCWEB71	1038	573147	1 - 423	15 - 437		AW362435.
HCWED11	1039	948689	1 - 429	15 - 443		AA724231, AW021007, AA278496, AL624379, AL439676, AA565911, AA837771, W63553, AL041613, AA569734, T03928, AW2422279, T40210, AA354507, AL624234, AA864815, AL119563, AA740736, AA493784, AL459866, AL018726, AA507990, AA557945, F29968, AC010202, AL049553, AL031279, AC004104, AL034553, AL117694, AC007011, AL109627, AL096712, Z95152, AC006312, AL031283, Z93241, AC005243, AL031674, Z82215, AL096775, U24498, L39891, AL035681, AL035405, AL035683, AC005256, AC006146, Z85996, Z82179, AC005747, AC003950, AL031846, AC005821, AL135783, AC008041, AL079342, AC002430, AC003692, AC005519, AF196969, AC001644, AL021937, AC007510, AC004816, AC005358, AC002316, Z99774, U91323, AC007384, AC000025, AF139813, AC005089, AC002375, AC002978, AL049759, AL023807, AL035249, AC004228, Z95115, AF196971, AC004084, AC005696, AL034384, AC002395, Z82194, AC005632, Z83844, AP000355, AC002073, AP000359, AC005529, AC005919, AC005624, AC005600, AC004491, AL009181, AC006343, AC010205, AL031848, AC004961, AC005578, AC004953, D88268, AF001552, AL034429, AC002094, AC004552, AL049743, AC004889, Z97056, AC005940, AC008119, AL031666, Z82182, AL078463, AL050318, AC005793, AC004125, AC007371, AC007057, AL049872, U52112, AC005565, AC005244, AC005793, AC004125, AC007371, AC007057, AL049872, U52112, AF109907, AC004799, AP000346, AL022721, AF035397, AF003627, AC005509, AC006441, AL031228, AC005379, AC004025, AC005335, AC007537, AC003010, AL008583, AL109956, U82696, AC005332, AL031985, U12387, AC005841, U95740, U30518, AL031729, AF037338, U95743, AC004771, AL109657, AC012384, AC006316, AC009336, AP000501, AL133500, AP001063, AC004770, AC005538, Z85987, AC006486, and Z82190.
HCWED13	1040	573413	1 - 450	15 - 464		
HCWED61	1041	971865	1 - 469	15 - 483		AA995856, AL672210, T99719, AW148336, AL791144, AW440956, AW439999, AA907133, T05187, AL000677, AL678727, AA586390, AA767864, AA285156, H52303, AA018440, AL660071, AL270092, H91317, AA490072, AL798234, AC004876, AP000302, AL024498, AC005525, AL031280, AC003964, AP000046, AP000114, Z93241, AC005585, Z85997, AC007050, AF196970, AC000072, AF121781, AC006238, L77569, AC002302, AL050402, AC004623, AC005609, AF059321, AC007371, L13972, AC002563, AL022336, AL023878, AC005182, AP000501, AL034408, AC005067, AL050309, AC005358, AL035249, AC004703, AC006137, AF155238, AC007406, AC007955, AL133500, AC006270, AC005015, and AC004230.
HCWEE02	1042	920544	1 - 254	15 - 268		
HCWEE03	1043	924743	1 - 536	15 - 550		AA960780, and AC004542.
HCWEE07	1044	953731	1 - 398	15 - 412		

HCWEE22	1045	572960	1 - 338	15 - 352		
HCWEE74	1046	738264	1 - 305	15 - 319		
HCWEE76	1047	770169	1 - 277	15 - 291		
HCWEE83	1048	781302	1 - 213	15 - 227		
HCWEEF56	1049	573570	1 - 449	15 - 463		
HCWEEF91	1050	849919	1 - 281	15 - 295		
HCWEEF92	1051	573568	1 - 350	15 - 364		
HCWEEF95	1052	526766	1 - 422	15 - 436		
HCWEEG09	1053	523251	1 - 329	15 - 343		
HCWEEG23	1054	531421	1 - 395	15 - 409		
HCWEEG31	1055	693687	1 - 400	15 - 414		
HCWEEG47	1056	574191	1 - 355	15 - 369		
HCWEEG51	1057	964642	1 - 290	15 - 304		
HCWEEG69	1058	948693	1 - 234	15 - 248		
HCWEEG70	1059	881254	1 - 431	15 - 445		
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HCWEEG86	1060	572980	1 - 357	15 - 371		
HCWEH27	1061	527050	1 - 391	15 - 405		
HCWEH53	1062	967056	1 - 429	15 - 443		
HCWEH76	1063	574187	1 - 319	15 - 333		
HCWEH93	1064	933146	1 - 314	15 - 328		
HCWEH94	1065	667919	1 - 744	15 - 758		
						AI733856, AW069227, AA410788, AW340905, AI625604, AW021917, AW068596, AA916430, AI687343, AA574442, AA847704, AW328331, AI890324, AA643770, AI963720, AA833875, AA833896, AW237905, AW117740, AI669589, AW084445, AA610509, AI634187, AA669155, AL079734, AL046409, AA502991, AI679759, AI061313, AI753488, AI926728, AL079645, AA468505, AA535216, AW328000, AI345681, AW023111, AA847499, AA579179, AI345675, AI284640, AW029515, AL040374, AI457313, AA719073, AI817230, AI583142, AW438542, AL040054, AI040051, AW303196, AI590442, AA644090, AW021583, AI613280, AW069769, AA904211, AA702637, AI431303, AA602906, AW301350, AI345695, AI254779, AI732483, AI282479, AA297145, AA630854, AA714011, AW193265, AA228778, AW419262, AI587583, AI587565, AL135377, AI753113, AW327868, AL138455, AA224889, AL119691, AA665330, AI270117, AA455483, AA127426, AI247101, AL037632, AI923050, AI566408, AW023672, AI613389, AA904275, AI679294, AI891080, AL138265, AI267356, AI859438, AI732865.

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HCWEI19	1066	948690	1 - 297	15 - 311	
HCWEI30	1067	666625	1 - 259	15 - 273	
HCWEI43	1068	573508	1 - 409	15 - 423	AC004950.
HCWEI45	1069	576852	1 - 110	15 - 124	
HCWEI78	1070	861918	1 - 338	15 - 352	
HCWEI80	1071	573534	1 - 207	15 - 221	
HCWEI83	1072	529351	1 - 287	15 - 301	AP000556, and AP000557.
HCWEI91	1073	529650	1 - 516	15 - 530	
HCWEI02	1074	920488	1 - 449	15 - 463	
HCWEI08	1075	959734	1 - 424	15 - 438	
HCWEI22	1076	954137	1 - 490	15 - 504	
HCWEI26	1077	576717	1 - 377	15 - 391	AA065131, AW008791, AW009265, AI805884, and AA065200.
HCWEI43	1078	573526	1 - 319	15 - 333	
HCWEI69	1079	757674	1 - 244	15 - 258	AI479011, and AI538122.
HCWEI91	1080	572857	1 - 434	15 - 448	
HCWEK59	1081	855734	1 - 331	15 - 345	
HCWEK74	1082	573134	1 - 542	15 - 556	AA601043, AA069366, AC007685, AC007284, AC004491, and AC007510.
HCWEK80	1083	574157	1 - 442	15 - 456	AP001052, and AP001053.
HCWEK84	1084	572843	1 - 241	15 - 255	AA630672, AI818231, AW303008, AA780682, AA732253, AW103927, H25921, AA092310, H51061, AA345064, AA768389, AI254980, AA588001, AA629872, N74747, C15060, H12383, AA551181, AA370455, AI344995, H93097, AA380354, AL133909, AW341978, AL138182, AA570797, AA722225, AI870197, AA372346, AA568198, AW022655, AL047429, AI014843, AI923052, AA705687, AA037715, F01503, AA531580, AI590485, AI311519, AI537772, AA583466, AI439828, AA630535, AI002744, AL045808, AL046156, AA584125, N71685, AA282820, AI205010, AA491681, AI888261, AA338544, AI278972, AI537538, F13749, AI907530, AW081296, AL038498, AI923333, AA593375, H18298, AW151022, AA483108, AA502991, R65651, AL037052, AI499301, AW162288, AW196053, AI636730, AA298319, AW021627, AI349849, AA308716, AA330772, AW276396, AW078909, AW131272, AI251576, AA838227, AA903253, AA573131, AI056046, AA092571, AA037725, AA515457, AA575911, H40324, AW317027, AI366993, T71474, AI124933, AA613761, W01639, AI289941, AI289942, AI955697, AI494539, AA626432, T77680, AI249473, AA716211, AA702098, AW104793, H81840, AI889566, AI135576, C18550, AI298061, AL096817, AC005019, AP000013, AC005752, AC007308, AC004910, D86992, D88270, AL109628, AC004797, U85195, AE000658, U95740, AC004051, AC000070, AC002288, AL109798, AC003104, AB023049, AP000512, AC011311, AC003101, AL133246, AC008169, AF107885, AC004933, AC006080, U40401, AC004674, AC005694, AP000505, AC004070, AC004596, AC003087, AC005207, AL023883,

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HCWEK89	1085	861914	1 - 245	15 - 259	
HCWEL01	1086	916972	1 - 236	15 - 250	
HCWEL08	1087	881309	1 - 142	15 - 156	
HCWEL18	1088	827387	1 - 265	15 - 279	
HCWEL27	1089	572846	1 - 244	15 - 258	AC005399.
HCWEL47	1090	523304	1 - 545	15 - 559	
HCWEL52	1091	577417	1 - 449	15 - 463	
HCWEL55	1092	572951	1 - 310	15 - 324	AA694257, and N64736.
HCWEL96	1093	529223	1 - 328	15 - 342	AC004674.
HCWEM10	1094	968044	1 - 312	15 - 326	
HCWEM37	1095	573151	1 - 404	15 - 418	
HCWEM51	1096	920887	1 - 378	15 - 392	
HCWEN20	1097	529237	1 - 330	15 - 344	
HCWEN86	1098	573527	1 - 344	15 - 358	

HCWEP18	1099	913670	1 - 401	15 - 415	AW291681.
HCWEP34	1100	523238	1 - 436	15 - 450	
HCWEP39	1101	660232	1 - 459	15 - 473	
HCWEP40	1102	506759	1 - 278	15 - 292	F00112, K00650, AF111167, AC006064, AC007055, AC006312, AC004777, AC004477, AP000023, AC005331, AL078472, AC004814, AC002347, AC007064, Z98048, AL034417, AL024507, AL024498, AC006548, AC004050, AC004934, AC005182, AC002546, AC002420, AC007790, AC006381, Z83840, AC005071, AF047825, AC005822, AC012627, Z82201, AC005944, AC005914, AL031005, Z84484, AL096791, AL031295, and AC006511.
HCWEP43	1103	921346	1 - 412	15 - 426	
HCWEQ01	1104	861910	1 - 288	15 - 302	
HCWEQ14	1105	908245	1 - 355	15 - 369	R16298, AA488261, R15246, AA325932, F08114, W46162, H08289, U69190, R12912, and AC002985.
HCWEQ15	1106	660520	1 - 285	15 - 299	AA583955, AA526342, AA810078, AA219115, AA714453, A1872020, AA661921, AA610491, AA775207, AA503600, R40056, F04987, A1243584, AA316905, A1963720, AA877817, AW080134, AA782304, F18423, AA491284, AA601492, AA362698, A1696962, A1561060, AA531079, A1251436, A1061334, AW070892, AA847499, AA491814, AA664909, AA581903, AA478355, AA259186, A1686267, AA808877, A1305766, AW270343, A1119691, A1344844, AA501821, AA515231, AA828042, AA525824, R94721, AA468131, F18638, AA737150, A1247264, A1476312, F01314, AA364224, AA502720, AA634889, A1307608, AA533303, AW084252, AA715355, AW084198, T41259, AW196064, A1889923, AW276817, AA644551, AW265385, AW075511, AA935988, A1589230, A1821271, A1358343, AW265009, AA522642, AA372852, F23430, A1364809, A1038072, F19012, A1049634, A1247199, AW082492, AA623002, A1283911, AA320714, T74382, AA362348, AA653375, AA521323, AA834727, AA805815, AA521399, A1284640, AA343705, AW300625, AA362511, AA635067, A1623720, AA715255, AA715267, AA650376, AA078441, AW248819, AA934680, AA848134, AA749054, AA459749, A1635818, AA508034, AA502104, A1358431, AA662871, AA515549, A1708009, AA503154, AA604333, AA603185, F16127, F00440, AW089682, F17802, AA773902, AA604897, AA281461, A1702314, AA720746, AA320113, A1160117, A1064952, T07019, AW002350, A1270002, A1754336, AA678436, AW071163, AW023990, A1044940, AA493708, A1783494, AA532524, AA338486, AA773733, AA531186, AA513141, A1537944, AA559290, AA531372, AA493206, F00135, AA713626, AA502866, AA346458, AA503284, A1298710, A1245679, AA985455, T52733, AA478297, A1254316, AW274349, A1561255, A1079511, AA847012, A1469624, AA503119, AA664332, F16274, T06828, AW405114, A1860020, AA629992, AA533725, AA482711, A1246119, A1459768, A1151261, Z30073, H93893, A1110688, AW327868, AA394271, AA688036, H60639, AA074130, A1583283, F17555, AW150524, N62433, AA372481, AW075948, AA502963, AA514854, A1358236, A1355206, A1679045, A1859251, AA491862, N35602, AA594145, H63262, AA908468, A1890348, AL045053, AP001172, A1022322,

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HCWEQ27	1107	849860	1 - 406	15 - 420	
HCWEQ37	1108	849985	1 - 389	15 - 403	Z85996.
HCWEQ89	1109	529240	1 - 344	15 - 358	
HCWER22	1110	674807	1 - 214	15 - 228	
HCWER37	1111	849916	1 - 368	15 - 382	T83652, N52834, AA010013, H52946, H64159, and AA703454.
HCWER61	1112	574921	1 - 89	15 - 103	

HCWER81	1113	574167	1 - 454	15 - 468	M78967, and AL031733.
HCWES03	1114	921933	1 - 540	15 - 554	D87470.
HCWES06	1115	935862	1 - 135	15 - 149	
HCWEW45	1116	571355	1 - 193	15 - 207	AI862242.
HCWEW76	1117	861966	1 - 358	15 - 372	AA420421, AA420839, AW340887, T68865, AA706567, AA838190, AA363078, AA533315, AA484373, AA161177, AA161132, AA780541, AA338170, R54486, AI567402, C16659, AA356567, AA745507, AA487198, AA372887, T70121, AI914883, N74208, AI568683, AA934825, AW050400, AW328172, AW082559, AI758256, AA581099, AA648683, T52935, AA604048, F12561, AA365815, AA501614, AI291317, AW270784, AI524360, AA837560, AW328050, H67805, AW328171, T47324, AW440837, AA071173, AA600741, AW083678, AA586866, AA320748, F01979, AW269488, AI053445, F28108, AI002744, AW081610, F08248, T65635, AA229127, AA744172, C15363, AA577732, AI827234, AA071132, AA744278, AL050332, AC005274, AC006101, AP000688, AF121782, AC000080, Z84469, AL021917, AP000044, AB003151, AP000691, AC006040, AC008282, AP000330, AP000295, AP000112, AC006572, AC006946, Z82899, AC001231, AC009405, AC005663, AF001552, AC005822, AP000171, AP000056, AC002300, U85195, D42052, AC004491, AC002425, Z84466, AE000658, AC005913, AC005253, AC001643, AC005387, AP000124, AL109653, AF109907, AC008981, AC006021, AC002565, AC002461, AC007350, AC006139, AC006486, Z98950, AC005393, AC006568, AF064861, AL133241, AC006305, AC005081, L31675, AL050338, AL096705, AL049569, AL035652, D26141, AC005358, Z81364, Z97196, AL034411, AC004132, AL009179, AL009031, AC002326, AC004993, AL135746, AC004617, AL135744, AC006006, AC007786, AC007766, AP000959, AC004197, AC005944, AC006557, U89387, AC005015, AL031846, AC007096, AC002098, U71148, AC003678, AL008636, AC002483, AL035460, AC003689, AL035690, AC004953, AC006146, AF207550, AC004472, AC005902, AF064857, AC004878, AC004448, AC003101, Z84480, Z96074, AC005839, AC005660, AL031589, AL096769, AP000953, AP000160, AP000128, AP000206, AC002066, AP000245, Z83820, AL008718, AJ133269, AC007298, Z68226, AC005512, AL096791, AC002110, AC004531, AB023048, AC005945, AP000511, AL035588, AC005011, AL035089, AP000687, K03021, AC010077, AL022476, AC002379, AP000126, AP000204, Z84487, AC005684, AC004859, AL132712, AC005412, AB017568, Z83840, AP000244, Z97832, AC005632, AC002347, AC006132, AF001551, Z93930, AL008730, AC005754, AC005484, AL021937, AL139054, AC005406, U50871, AC008545, AC004601, AC005089, AL021997, AC004151, AB020864, AL109627, AC006966, AC005548, Z95152, AC005082, AC006254, AC004383, AC005049, AL034429, AL050401, AP000884, U95742, AL031733, X90725, Z80897, AC003110, AL008719, J03071, AC006252, AC002550, AC005868, AP000152, AP000010, AL034423, AC006253, AC008062, AC009743, AC007262, AL022165, AC003081, AF047825, M63796, AC006023, AC006013, Z95113, AC007151, AC005486, AC004596, AL031681, AL031668, AC010206, Z69890,

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HCWEW77	1118	664922	1 - 416	15 - 430	AL020995.
HCWEX05	1119	928121	1 - 326	15 - 340	N87989.
HCWEX40	1120	574940	1 - 251	15 - 265	
HCWEX59	1121	709560	1 - 344	15 - 358	T56067, AA652057, AW248803, AA664148, AW249224, AA369477, AL138242, AA569187, AA584581, AA125788, AA828704, AI079667, AA834755, AA594725, AI168185, AW193500, AA179136, AA443390, F07193, AA516527, AL133723, AA365347, AA012897, H00934, F37169, T62975, AA503947, AA515346, AW406162, AA650271, AI889781, AI648558, AA502103, AA906889, N53150, AA904140, AA515435, AI678392, AA831388, AA364315, AA483223, AI801591, X06123, AC002350, X61109, AC007193, Z83845, AC005913, AP000967, AL022329, AF200465, AC006285, AC005215, AC005565, AC005537, L81693, Z83826, U78027, AC005071, AC007666, AC003035, Z82188, AC004973, AC006965, AC006006, AL035422, AL035695, AC005385, AC005962, AC006312, AC005365, AC005003, AC005324, AC006600, AC000052, AL034420, AF165926, AC005736, AF109907, AP000362, AP000553, AP000010, AP000152, AL132712, AP000555, AC004019, AC002472, AC000159, AL121603, AC007565, AP000348, AC006571, AB016897, AP000354, AC003038, AC005755, AL035690, AC002077, L48038, AC004263, AC000353, AL080317, AL031589, AL008582, AR036572, U91328, AB023049, AC002483, AF006501, AL133396, AL022721, Z99716, AL035494, X03272, AL022476, AC004797, AL049776, AL022323, AF196779, AP000692, AL035089, AC004909, AC005740, AC002312, AC006211, AL021453, Z98200, AL031447, AC005822, Z97184, Z73360, AC002349, AC002301, AL139054, AL009178, AC007115, AL035460, AL035417, AL035681, U62293, AC004813, Z82244, AL023553, AL050332, AC004865, AL080243, AC000039, AL022328, Z98946, AC007999, AF134726, AC020663, AL009179, AC007664, AL022313, AC002448, Z69705, AL109963, AF019413, AC006130, AJ003147, AL049780, AC006039, AC005043, AL031257, AC005211, AC005057, AL135744, AC005200, Y07848, AC005516, AC006538, AC006530, AP000162, AP000020, AP000087, AC005670, AL021366, AC005783, AC005911, AL023879, AC005212, AC004622, Z69651, AC007308, AC009516, AF111168, AC004754, AC005235, AC005304, AL035072, AC005527, AL050338, AC003085, AC005730, AC007842, Z83822, AC005281, AC007285, Z98048, AC007182, AC005081, AL133245, AL023807, AC008079, AL031685, AL050318, AL031446, AC004099, AC005041, AC005940, AL031668, AC005776, AP000557, Z97056, AC006441, AP000512, AL096829, AC002070, AP000030, AP000151, AP000226, AC005754, AC000026, AL022311, AC002402, AC016025, AC005544, AC007543, AF121781, AC007011, AC005274, AL008715, AC004890, AF091512, Z86090, AL031666, AL035692, AL008718, AC007537, AC007324, AC012384, AC006515, AL035659, AP000047, AC005829, L76568, Z98742, AC006057, Z85986, Z83844, AC005969, AL132777, AC002470, AP000173, AP000500, AL034548, AP000502, AC004463, AC018633, AC006946,

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HCWEX66	1122	731772	1 - 323		15 - 337	
HCWEY07	1123	953701	1 - 412		15 - 426	
HCWEY33	1124	702597	1 - 418		15 - 432	
HCWEY34	1125	954142	1 - 233		15 - 247	AC005911.
HCWEY84	1126	952692	1 - 458		15 - 472	AA598892, AA508036, AA525293, AA984829, AI918419, AA126277, AA172365, R22248, AI272052, AA360260, T94592, AL096701, AF196969, AF196779, AL031597, AL034417, AD000092, AL049757, AC006449, AF030453, AC002312, AC005088, AC002395, AC004150, AC005089, AC004216, AL031053, AF053356, AC006487, Z98051, AC005049, Z83851, AF109907, AP000555, AC006480, AL021578, AC006211, AC005081, AL031311, AC004382, AC006312, AC007308, AC005005, AL023553, AL049829, AL049631, AL121652, AL109801, Z95114, U85195, Z83826, AC007450, AC000134, AC004858, AC004841, AE000658, AL021920, AC005920, AC005067, AC007226, AC005702, AF111168, AC002546, AC002477, AL117344, AC004134, AC005184, AF001549, AC000070, D87675, AP000553, AC005632, AC006511, AC004019, AL133243, AL050321, AL121769, AC004797, AC005778, AC007999, AC005808, AJ229041, AC007193, AL023653, U95742, Z82203, AC007371, AC006111, AC000353, AL035422, AL009181, AC006360, AC005839, AC005480, Z95152, Z94056, AC005399, AL021394, AP000512, AC005015, AF017104, AL020997, AL121578, AF003626, Z86090, AC005914, U78027, AL050341, AC005609, and AL022238.
HCWEY88	1127	785508	1 - 321		15 - 335	H44471, AI246061, AA161305, AA224525, AA555143, AA664248, AW270429, AI860535, AW270351, AI223626, AA135868, AW019964, AI054090, AI278972, AA565911, F32248, AI284543, AI254770, AI251944, H09639, AI251034, AI251203, AI251284, AI250552, AI251241, AI249853, AW265149, W32993, AW151870, AW058430, AI053934, W63553, AI053597, AA862312, T03928, AA487209, AW303098, C15504, AA340153, C14796, AA832152, H47368, C14627, Z95116, AC010206, AC005913, AF118808, AC005844, AC004662, AC006360, AC006313, AC004465, AL034400, AC004815, AC002365, AC004984, AL034549, AC007676, Z95118, AC008009, AL009181, AC005565, AC002465, AC005841, AC006388, AL031665, AL033397, AC007276, AC007028, AC008041, AC005746, AC002312, AF196969, AC004799, AL135746, Z97630, AL050318, AC005291, AC005288, AC005207, AC002369, Z94801, AC006121, AC002425, AF129756, AC003959, D88270, AL022162, Z94056, AC005237, AC005519, AC006352, AC002041, AL049745, AC005856, AC005041, AC005666, AC006130, AC005632, AL096701, AC004963, AC005015, AC005488, Z93017, AC009946, AC006359, AC005740, AC006241, AC004813, AC007263, AP000555, AL034418, AL117354, AC002287, AC005736, AC008044, L29766, AL080242, Z83843, AL035683, AL021878, AC005696, AL049539, AL121825, AC004150, AC004941, AC004895, AL023284, AC004185, AP000475, AC004686, AL031651, AC004033, AI011930, Z98950, AL035405, AL021807, AC004386,

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HCWFA14	1128	925301	1 - 479	15 - 493	T61555.
HCWFA65	1129	573193	1 - 236	15 - 250	
HCWFA88	1130	578943	1 - 365	15 - 379	AP000126, AP000204, and AP000244.
HCWFA89	1131	574370	1 - 257	15 - 271	AC002039, AC002045, U91326, AC002544, and AF001549.
HCWFC05	1132	932194	1 - 360	15 - 374	AC007283, and AC008179.
HCWFC17	1133	573186	1 - 367	15 - 381	Z98744.
HCWFC65	1134	883787	1 - 340	15 - 354	
HCWFD07	1135	953700	1 - 571	15 - 585	
HCWFD19	1136	574915	1 - 267	15 - 281	
HCWFD29	1137	573381	1 - 210	15 - 224	
HCWFD47	1138	671946	1 - 300	15 - 314	AI799197.
HCWFD64	1139	954575	1 - 363	15 - 377	T81407, AC006942, and AF064861.
HCWFE06	1140	935856	1 - 379	15 - 393	AA663467, and AA663457.
HCWFE18	1141	573445	1 - 99	15 - 113	
HCWFF41	1142	849978	1 - 135	15 - 149	
HCWFF88	1143	506577	1 - 304	15 - 318	
HCWFF65	1144	578936	1 - 386	15 - 400	
HCWFJ72	1145	856908	1 - 625	15 - 639	AA594971.
HCWFK16	1146	849988	1 - 187	15 - 201	
HCWFK20	1147	575696	1 - 225	15 - 239	
HCWFK35	1148	916795	1 - 540	15 - 554	AA491175, and AC003957.
HCWFK57	1149	861907	1 - 314	15 - 328	
HCWFK73	1150	761655	1 - 304	15 - 318	AA093114, AA523695, AA487226, AI364568, T62078, AI869786, H95822, AI686470, H81700,

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HCWFK91	1151	954008	1 - 315	15 - 329	L44321, AL096867, AL022154, AC007567, AL034402, and AC004853.
HCWFL10	1152	964853	1 - 317	15 - 331	AL031673.
HCWFL31	1153	953579	1 - 186	15 - 200	AA579235.
HCWFL45	1154	577950	1 - 402	15 - 416	
HCWFL78	1155	529218	1 - 288	15 - 302	
HCWFL86	1156	523359	1 - 417	15 - 431	Y13758.
HCWFL94	1157	575522	1 - 290	15 - 304	N21434, AA126969, AW069769, AA551548, AA640563, AI031759, AA664248, AI300507, AI183392, F31670, AA507623, AA219166, AA837771, AI567676, AA648605, AA558402,

AA558716, W00479, AI521019, AI538404, AI884404, AA774169, T57096, AA846046, AW271071, AA225630, AA657808, AI251024, AW407679, AI872229, AA715508, RI2600, AI281622, AI803824, AI241851, AI267356, AI926093, AW023975, AA364082, AI754257, AI801479, AA984891, T41134, AW243817, R33053, AI961232, AW085811, AA349923, AA602939, AI520984, AA987703, AW268793, AW439224, AI267450, AI065031, AI921744, AI745666, AA018923, AI032411, AA533011, AA364147, F35684, AI732911, AI185394, AA507990, AI252726, AW406139, R95751, AI174827, AI668566, AA309287, AA808842, AI469564, R33588, AA873661, AW157128, AI274691, H49749, AA633068, AA012829, H79323, AI039257, AA640305, C14724, AW022796, AA601712, AI733523, AI038029, AI434103, AI828742, X84712, AA630122, AI708565, AA367920, AA338238, AW021674, AI888852, W02419, AA730530, AF075069, AF129756, AI035587, AC005399, AF165926, Y18762, Z83845, AC005015, AC005089, AC004099, AC005730, AI133163, AI049591, AC005837, AC005828, U02057, AC006544, AL080317, AC005531, AC000039, AL020997, AL035445, AF196972, AF030876, AC007371, AC007051, AC007919, D42052, AC004053, AB023051, AP000116, AP000505, AC005105, Z98946, AC005821, AC006543, AB033024, AL136295, AC006006, AC006581, AL050320, AP000512, AC007226, AC005069, AL031848, AC004678, AC004668, Z83844, U78027, U91326, AC002544, AC006538, Z69366, AC007878, AL035422, AC007462, AC002306, AL096761, AC020663, AC005694, AI246003, AP000513, AC006953, AL117258, AD000092, AL078477, AF207550, AL109798, M89651, AB023049, AC007536, AL049636, AC003042, AC008372, AC005993, AL022336, AC006599, AC007687, AL121658, AL031721, AL049829, AC006062, AL008735, AL035086, AC000134, AL034548, AC006388, M81890, AC005527, AI251973, AC002369, AC006511, AC009516, U26425, AC004234, AF111168, AL031575, Z97630, Z98884, AC007899, AL031311, AC006121, Z98200, AL132712, AC005037, AB023048, AC005519, AC007277, AP000511, Z84480, AC007314, Z81369, U63721, AC004592, AC004073, AC007934, AF031077, AF134726, AL135783, AL035450, AL031295, AL079295, AC008044, AC006241, AC004257, AL049569, AL096699, AL049759, AC006088, Z95114, AL021707, AL023801, AF031078, AC005565, AC005952, AL035413, AL035652, AC016027, AC007227, AL034421, U91322, AC009248, AL008731, AC002492, AC005747, AL034553, AL031680, AC005759, AL109628, AC006211, AL031657, AC005529, AC004381, AL121934, Z73979, AC005695, AL022318, AC005390, AL109847, AC006162, AC005207, AC004953, U07563, D16583, AC004460, AP000256, AL008718, A65971, AC005261, AI003147, AC006946, AC005365, AL135744, AC005031, AL022333, AC002310, D16517, AC006261, AB000882, AC005280, U24498, AL031903, Z68756, AL022476, AC007688, AC009498, AC002364, Z95116, AC004019, AC004814, Z83840, AC002991, AC004844, AP000510, AC004797, AC004477, AL133448, AC005778, AF076450, AC004975, Z84469, Z98051, AC005682, AL035045, AL035455, AC000075, AC000084, AC004703, AC006369, AC004673, AC006449, U80017, AC004897, AC007773, AC004130, Z82182, AL008628, AL122020, AC005325, AC006064,					
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HCWFM01	1158	916803	1 - 217	15 - 231		AA054176, AI669046, AA385798, R79698, AC003688, AP000096, AP000240, AL020997, AC006946, AC005070, AL096794, AL049849, AL079340, AL109914, AC019014, AL049646, AF111169, AC007073, AC005071, AJ251973, AP000549, U82694, AF001549, AC005684, AC006953, AC004517, AC003065, AC005865, AC005033, AC005389, AL034406, Z98200, AC007842, AP000512, AC006544, Z82249, AL078583, AC005699, and AC010168.
HCWFM11	1159	959457	1 - 365	15 - 379		AA640305, AA156183, AI754257, AA631915, AA720732, AW083707, T71936, T58395, AI869455, AA862243, R68249, AA129133, AA883595, AA747469, AI241761, AW021105, AW023167, AI207424, AA804726, AA936746, AJ230815, W01344, AI744199, AI763234, AA324242, R76686, AA776899, AA664963, AL135357, AL044701, AA593537, AI984742, AI917132, AW072963, AI307563, AC002470, AC004841, AC002094, AC005399, AC007066, AC005207, AF111169, AC004820, AP000240, AC005049, AD000092, AP000096, AL135744, AC003684, AC008018, AC007263, AC005529, AC005300, AP000011, AF001548, AB003151, AL035423, AC006511, AC007312, AC004707, AL031670, Z93017, AC005088, AC007371, AC006241, AL031293, AL022721, AF111168, AC004167, AC005295, AC002369, AL049653, Z99127, AC004234, AC004859, AC005736, D00591, AC005251, AC003043, AL021397, AF129756, Z98884, Z93930, AC006509, AF165926, AP000322, AC002375, AL049839, AC006121, Z84480, AC005071, AC007774, AC007395, AC006001, AC005224, AC002377, AC004076, AC004922, AL033524, AC000159, AP000361, AC004129, AL132987, Z84469, Z82246, AF053356, AP000153, AC005231, D87008, AC004477, Z97056, AF196969, AL035458, AL133246, AC002351, AP000053, AP000121, AP000557, AC007277, U29895, D87012, AL022336, AL049538, D88268, AC004263, AC004583, AP000065, AP000280, AP000030, AC002477, AL034429, AC005253, AC006166, AP000215, M57678, Z98304, AC005370, AP000505, AE000658, AC005632, AC005070, AC005821, AL031311, AC004762, AC003982, AC005772, AC007308, AF176815, AP000107, AP000039, AC007993, AL109839, Z99943, Z73420, AC007228, AC002060, AL096791, AP000556, Z86061, AP000497, AL049557, AC008038, AP000558, AL031733, AL035420, AC005856, AF024533, AC006530, M63543, M63480, AC002400, AC006455, AC005519, AC007565, AC006077, AD000812, Y11107, AC007537, AC004805, AC005919, AC005940, Z69713, AC002301, U85195, AC006254, AF038458, AC004491, AL023096, AL078463, AC005755, AC004815, AL035249, AC007676, AP000694, Z93016, AL033521, M63544, AP000348, AC002563, AC005875, AC005726, AC006160, AL049776, AC009516, AP000038, AP000106, AL031284, AC004472, AC007664, AC004851, L81692, AC005023, Z92542, AC006376, AL035462, AP000228, AC005520, AL034419, AC004799, AL035587, AC002395, and AL031681.

HCWFM16	1160	678627	1 - 368	15 - 382	W07244, H81645, H87712, Z18338, A1627848, AL022476, AF128536, and AF128535.
HCWFM26	1161	677348	1 - 356	15 - 370	AL021918, AC003070, Z93017, AL022316, Z97876, AC008079, AC004228, AL109827, AP001054, Z81370, AC008018, and AC004678.
HCWFM43	1162	715387	1 - 88	15 - 102	
HCWFM59	1163	757660	1 - 338	15 - 352	
HCWFM60	1164	740470	1 - 410	15 - 424	
HCWFM65	1165	849957	1 - 252	15 - 266	A1349018, AC006512, Z85987, AL117338, AC005920, AC003982, AL031681, AL050318, D87675, AC005233, AC007226, and AC008072.
HCWFM77	1166	706488	1 - 152	15 - 166	
HCWFN14	1167	680404	1 - 351	15 - 365	AL134393.
HCWFN22	1168	674750	1 - 381	15 - 395	
HCWFN37	1169	576547	1 - 255	15 - 269	
HCWFO01	1170	916814	1 - 357	15 - 371	A1657485, N83963, N88177, N87188, N83707, AR018815, U390066, U48696, AF045432, A1243486, U48697, AF102850, X99060, AF001863, AF061744, X99056, X99052, Y16299, X99058, X99051, AF011573, and X99055.
HCWFO02	1171	920416	1 - 372	15 - 386	
HCWFO20	1172	577709	1 - 303	15 - 317	
HCWFO24	1173	664581	1 - 328	15 - 342	
HCWFO30	1174	692814	1 - 316	15 - 330	
HCWFO40	1175	913855	1 - 407	15 - 421	
HCWFO51	1176	725756	1 - 72	15 - 86	AC002540.
HCWFP21	1177	531288	1 - 442	15 - 456	
HCWFP27	1178	927700	1 - 287	15 - 301	
HCWFP47	1179	849893	1 - 398	15 - 412	
HCWFP71	1180	933211	1 - 341	15 - 355	T65964, R01423, R01424, R05277, R44699, R51780, R44699, H11322, H13859, H13911, H21393, H22117, H45982, H98744, N37080, N62715, N93640, W60228, W76544, W87768, W90518, AA010775, AA011055, AA029083, AA029084, AA036822, AA057660, AA082814, AA101057, AA130702, AA132788, AA147813, AA151511, AA173298, AA187994, AA192370, AA243010, AA250948, AA521284, AA535404, AA594843, AA603875, AA627091, AA662313, AA721002, AA761271, AA826710, AA865743, AA975254, AA995525, C05796, AA206634, AA654116, AA283178, AA291958, AA291959, AA452464, AA628258, AA634632, AA447651, AA777137, AA812493, AA835567, AA846451, AA852494, A1003962, A1084740, A1094339, T23658, Z41681, F03361, F03690, F09370, A1245866, A1251909, A1280679, A1202164, A1474105, A1524387, A1540076, A1479426, A1498061, A1566416, A1582492, A1127570, A1187378, A1191272, A1279638, and A1587165.
HCWFP81	1181	576363	1 - 306	15 - 320	

HCWFR11	1182	967266	1 - 170	15 - 184	
HCWFR83	1183	721373	1 - 450	15 - 464	
HCWFS22	1184	971566	1 - 365	15 - 379	AI830563, AI675015, AI634079, AI766110, AI924352, AA506986, AI419874, AA417050, AI582146, AW302226, AI653982, AA707615, AA947674, AI824293, AA417181, AA925338, AI367252, AA344961, AW418521, AA559136, AI253198, AI028337, AA835007, AI367250, AI081854, AW136460, TI2625, AI873313, AA879191, AW087636, AI207096, AW087600, AA904762, and AI198471.
HCWFS65	1185	572953	1 - 238	15 - 252	
HCWFT29	1186	690751	1 - 357	15 - 371	AL041375, T52772, AI572680, AW275432, AI801563, AA493464, AA810158, AW238575, AA601376, AA355367, AA515924, AA595661, AA484892, AW084173, AI251024, F01666, AW089625, AI355246, AI797998, AA526413, AA525807, AA019973, AA128511, AA602971, AI927275, AA199582, N90244, AA559241, AI002950, AA604601, AA640305, AI760835, AA367672, AA503298, AA397355, AL043719, AI973173, AA013168, AA313025, AW270768, AW272815, AI609972, AA515905, AW238016, AA112187, AI246796, AI935827, AA714011, AA228778, AI345157, F01532, AA513122, AW302903, AW275719, AW105463, AL048925, AI283938, AW238712, AI056177, AW419389, AI678468, AA420787, AW193493, AA657835, AW179316, AA837646, T48723, AA904275, AI926909, AI803809, AW020088, AA610784, AW023390, AI923052, AA079421, AA225392, AC003041, AL049830, AL031433, AC004797, AC005740, AC009516, Z83838, AC002119, AC005940, AC005920, AL023281, AC005261, AC012627, AC005821, AC005899, Z94056, AL035587, AL031432, AC004859, AC004019, AL034423, L05367, AC008124, AC005037, AL022336, AC004895, AC003098, AC003109, AC005822, AC005529, AP000066, AP000556, Z99570, AC020663, AC004408, AP000116, AB000882, AC005387, AL109627, AC007666, AL031390, AC006254, AC004623, AC004448, AC002347, AP000503, AF134726, AL031577, AC004686, AL049636, AC005486, AC004596, AC005971, AL022721, AL139054, AC002551, AC005523, AC005358, AC005527, AL121754, AL035684, AC004034, AC005913, AC006071, AP000049, AC007536, AC005902, AC006285, AC007216, AC005703, Z95114, U78027, U91326, AC006011, AC006449, AP000311, AC002059, AC005839, AP000512, AL049795, AL049766, AL049793, AC003956, AC005288, AL049709, Z98200, AC002511, AC004242, AL117694, L44140, AC005914, AL049692, AC003030, AF111169, AF111168, AL022311, AF045555, AC004526, AC005399, AC004167, AC004878, AC007227, AL035422, AC004796, AC006511, AC002091, AC005104, AF031078, AC004821, AC005081, AC005004, AL033392, AC006057, AC004150, AC005318, AC002492, AC005722, AF030876, U62293, AC004882, AC004253, U63721, AC005736, AC006111, AC007225, AL035659, AC007030, AC000052, AC005695, AL022313, AF109907, AC002045, AL031393, AC000026, AC007395, AF141309, AL031282, AL034351, AC002544, AL022327, AC006270, AL121655, Z83840, AC005015, AL049872, AC004854, AL133245, AC005412, AC005799, AL022328, AP001053, AC002115, AL049643, AF003626, AI246003, AC006360, AC018633,

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HCWFT33	1187	959471	1 - 258	15 - 272	
HCWFT44	1188	935855	1 - 338	15 - 352	
HCWFT77	1189	739571	1 - 259	15 - 273	AI922362, AA130574, and AC004492.
HCWFT84	1190	542236	1 - 396	15 - 410	
HCWFTU03	1191	921944	1 - 307	15 - 321	AW205685, AI698601, AA884459, N23262, AA552480, and AA905404.
HCWFTU07	1192	861902	1 - 107	15 - 121	AC006301.
HCWFTU19	1193	577315	1 - 536	15 - 550	
HCWFTU32	1194	716340	1 - 473	15 - 487	
HCWFTU64	1195	577888	1 - 364	15 - 378	AA745185, AI216430, AP000553, and AC009516.
HCWFTU66	1196	853005	1 - 392	15 - 406	
HCWFTU76	1197	576839	1 - 401	15 - 415	AA768179, AA368329, AA346867, AA348271, AW439810, AI278130, AI904944, T07285, AA558404, AW268090, AA229823, AI567391, AA228979, AW243945, AA279385, AA112924, N86484, F30586, AA297443, AA583579, AA078384, AI283938, AI421257, AA378489, T99020, AA564925, AA745297, AI273837, AA972523, AA372311, AI369076, R99613, N40907, AA581240, AA582746, AA559205, AI984168, AA367014, AW008184, F00458, M62257, AA424249, AI299442, AA449468, AA581185, AI016192, AI932871, T62078, AA229422, AA160427, AA484892, W26972, AA515172, AA385775, AA583568, AA372389, AA354695, AA838098, AI003391, N92697, AW194046, AI889426, AA523695, AA582350, AI859744, AA653713, C15362, AA356376, AW237905, AA831801, N77384, AA720582, AI915081, AW341955, AA573000, AA482792, AW328331, AA302978, AA728911, AA664248, D51809, AA610255, AA419225, AW341882, AA630854, AA502110, AA115865, AW272389, AI223968, AA634991, AW328330, AA488687, AA832016, AA661883, T40550, AA503307, AA354677, AW265688, AW151247, AI354333, AA584765, AA837771, AI146266, AA352521, AA838161, AW249720, T47138, R98409, AI859438, AA427808, AA481811, W02749, AL041895, AA515939, AI123488, F17537, AA669747, AI927275, AA810837, AA425924, AW264998, AA678616, N52276, AA364988, AI537800, AA329535, AI187148, AC005538, AC004098, AC002066,

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HCWFEU83	1198	574864	1 - 515	15 - 529	T71420, H65742, R17043, R53388, N39910, AL031295, and AL049675.
HCWFEV16	1199	849953	1 - 381	15 - 395	
HCWFEV21	1200	849905	1 - 349	15 - 363	
HCWFEV25	1201	733993	1 - 535	15 - 549	R92125, T98334, AL424340, AA632445, and AC004749.
HCWFEV32	1202	960099	1 - 247	15 - 261	AF001550.
HCWFEV34	1203	577896	1 - 456	15 - 470	AA488048, AW007822, AC005244, AC004673, AL080241, AC004075, AC002412, AC004388, AL132668, AC005100, AF117829, AL022158, AC004555, Z95152, AL022310, AC004478,

						AC000114, AC007680, AC004014, AC007655, AC006313, AC007115, Z80771, and AL035464.
HCWFFV37	1204	575715	1 - 408		15 - 422	N64515.
HCWFFV50	1205	723666	1 - 433		15 - 447	
HCWFFV69	1206	527087	1 - 410		15 - 424	AC004007.
HCWFFW51	1207	671807	1 - 493		15 - 507	AA911986, and AP001055.
HCWFFX23	1208	675902	1 - 332		15 - 346	
HCWFFX30	1209	825920	1 - 322		15 - 336	
HCWFFX44	1210	703028	1 - 503		15 - 517	N51043.
HCWFFZ30	1211	692719	1 - 310		15 - 324	AL119853, and Z69304.
HCWFFZ56	1212	733414	1 - 294		15 - 308	
HCWGA27	1213	861968	1 - 325		15 - 339	AI880278, AW276156, AI983646, AA877596, AI887774, AI347477, AI673036, AI458241, and AL022237.
HCWGA32	1214	699272	1 - 331		15 - 345	
HCWGB61	1215	733105	1 - 487		15 - 501	L44329.
HCWGB64	1216	578734	1 - 158		15 - 172	
HCWGB78	1217	861843	1 - 380		15 - 394	
HCWGC02	1218	917348	1 - 321		15 - 335	
HCWGC50	1219	772358	1 - 399		15 - 413	
HCWGD20	1220	906973	1 - 373		15 - 387	AI636734, AA557982, AA715527, AA715344, AA284247, W02749, W63553, AA715284, AI923360, AA557136, AA742815, AI929298, AI929825, AL120543, AL039930, T47138, AW157180, AI291419, AW403829, AA401921, AI571866, AA219349, AI368873, AC006141, AC004257, AC005317, AC005071, AL031123, L78810, AC004542, AC007216, AP000501, AC007052, AC006449, AC003665, AC005531, Z85987, AC007637, AL008726, AC007546, AF001548, AC007686, AC004821, AL031295, AC005529, AL135744, AC000353, AP000313, AC005911, S45332, Y10196, AC004825, AP000050, AF196779, AI251973, U95740, AC005088, AC004797, AP000117, AF134726, AC006581, AC006211, AC005696, AP000557, AC006946, AC004638, AL050342, AC006130, AC005484, AC000025, Z84718, AC004890, U78027, AL078593, AC003070, AL033375, AC006360, AD000092, AL035422, AC007690, AL049874, AC009516, AL050327, AC005015, AC006251, U91326, U95742, AF045555, AC006241, Z99495, AC002310, AC006480, AC004531, AL031733, AP000350, AC005261, AC020663, Z98884, Z98941, AC006121, AC005081, AC006084, AP000302, AC004820, AC006160, AL109628, AP000558, AC005102, AC006487, AP000352, AC002416, AC004765, AC002425, AC005189, AP000114, AP000046, AL078477, AL035684, AC005920, AC007376, AC005740, AC002544, AC004876, AC010582, AL031680, AP000503, AC002477, AL133246, AC007041, AC005324, AC007880, U47924, AP000065, AC009405, AL022240, AC005027, AC006539, AC004983, AC004832, AC005919, AL031311, AC004815, AC004448, AC003002, AC007738, AC007225,

HCWGD33	1221	849909	1 - 327	15 - 341	AL121655, AC004000, AC004927, AC004933, AC008044, and AC006080.
HCWGD66	1222	496411	1 - 264	15 - 278	
HCWGE12	1223	967067	1 - 364	15 - 378	
HCWGE22	1224	727967	1 - 328	15 - 342	AA330772, AW022897, R79496, AA188940, H12383, AL038971, AI339974, AA370455, AL031584, Z98941, Z97055, AC004815, AC005015, AC004584, AL022165, AC005952, AC004491, AC000134, AC005821, AJ003147, AC004876, AC004966, AC005102, AL031276, AC003690, AC007842, AC004552, AC006071, AC006285, AC005280, AC005300, U07563, AL035071, AC002045, AP000692, AL049757, AC002299, AC006953, AC005048, AC008044, AC005527, AP000513, AC004926, AC007151, AC016830, AB023049, AC004526, AL121578, AC005529, AC002470, AC006312, Z85986, AC007993, Z84469, AC002558, AC004638, AC005726, AL031279, AF111168, AC004967, AC004832, AL020997, U91326, AC007541, Z82208, AC004263, AJ229042, AC000025, D84394, AC016025, Z96074, AC005519, AC007041, AL034429, AC007308, Z95115, AC006252, AL031311, AJ251973, AL035659, AC005011, AC004167, AC006251, AL035089, AC005899, AC002544, AL096702, AC002365, Z98946, AC004770, AC006121, AL132712, AC004945, AC007421, AF064861, AC006530, AL031291, AC006946, AC006211, U80017, AC000359, AP000346, AF128525, AP001054, AC000357, AL009181, AL035450, AL009182, AL133500, AL031228, AC005081, AJ010770, AF001552, AC008372, AL022722, AC006388, AC006023, Z97053, AC004228, AC002565, U52111, AC006120, AL035681, AC006450, AL049872, AL049636, AL034555, AL035415, Z99128, AL035587, AC006040, AC006115, AC002070, AL022238, AC006324, AC005940, AC016027, AC004687, AP000252, AP000211, AP000133, AP000167, AC004216, Z82201, AP000689, AL008726, AP000558, AC004887, AC005874, AF134471, Z93930, AC005993, AC003108, AC006006, AF038458, AC007676, AC002301, AC006012, Z82178, AC009247, AC006544, Z98304, AL021878, AC004953, AP000031, AL021546, Z83845, AC005180, AL049779, AC005800, AC005480, AP000694, AC002059, and AC004217.
HCWGE23	1225	853004	1 - 453	15 - 467	
HCWGE25	1226	657236	1 - 363	15 - 377	
HCWGE39	1227	705403	1 - 58	15 - 72	AI811654, and AI032916.
HCWGE47	1228	925105	1 - 429	15 - 443	AC004072.
HCWGE53	1229	728249	1 - 342	15 - 356	T47041, and AC010385.
HCWGE65	1230	720349	1 - 348	15 - 362	
HCWGE73	1231	757333	1 - 198	15 - 212	
HCWGE78	1232	527557	1 - 325	15 - 339	
HCWGE92	1233	792722	1 - 273	15 - 287	AL117411, AF109126, and X99338.
HCWGF06	1234	935492	1 - 398	15 - 412	

HCWGF71	1235	960089	1 - 436	15 - 450	AC008055.
HCWGF74	1236	529235	1 - 231	15 - 245	
HCWGF75	1237	682351	1 - 347	15 - 361	
HCWGF76	1238	752789	1 - 321	15 - 335	AA719214, and AA716020.
HCWGF91	1239	754244	1 - 141	15 - 155	
HCWGF92	1240	861865	1 - 293	15 - 307	AW16641, A1049676, AA774098, A1668994, A1336771, AW069227, A1634187, A1457313, AA837325, A1018726, AA318652, AL037777, AL044712, A1252726, AA525332, A1369076, W26972, A1241637, AL044177, AA484651, AA598605, A1243793, A1679045, A120004, AA588353, AA487209, AA376358, AL039761, A1017733, AW270429, T53133, AW270351, AC002381, AP000959, AC004908, AP000070, AP001053, AL078581, U89335, U52111, U85195, AE000658, AC007221, Z73913, AL049828, AC007214, AC004617, Z95152, AP000168, AL031685, AC007934, AC004584, AC005829, AL049589, AF111167, AC005587, AL109837, AL035089, AC003950, L11910, AC004787, AL121757, AC000081, AP000501, AL022345, AL022163, Z83838, AC004859, Z81010, U78027, AC005921, AC005625, AC005822, AP000251, AC009405, AL049699, A1011930, AC002091, AC003973, AC008101, AC005873, AP000030, AP000507, AP000557, AL035071, AP000555, AC006115, AC005225, AB002353, AC004796, AC006515, AL034418, AC002565, Z84474, AL021397, AC006541, AC005391, AF165141, AC003002, AC005231, AP001054, AC002543, AC005237, AC005920, AL022326, AB023049, AP000512, AL109613, AC009275, AC005666, AL049759, Z81370, AC004912, AL035422, AC005755, AP000503, AL023553, AF134726, AL031391, AL035587, AC002314, AC006277, AD000671, Z86063, AC003030, AL022320, AC004001, AL031282, AC004685, AC004466, AL009174, AC004876, Z97054, AC004812, AL096791, AL031427, Z98200, AC005184, AP000553, Z83844, and AC005089.
HCWGGQ07	1241	849889	1 - 388	15 - 402	
HCWGGQ39	1242	849891	1 - 575	15 - 589	
HCWGGQ62	1243	916454	1 - 349	15 - 363	
HCWGGQ71	1244	710828	1 - 371	15 - 385	N88113, N85682, N86592, AA092643, AA091872, and AA096089.
HCWGGQ80	1245	529242	1 - 319	15 - 333	
HCWGGQ84	1246	853106	1 - 388	15 - 402	R51952, and AC005214.
HCWGR34	1247	923577	1 - 363	15 - 377	
HCWGR43	1248	734888	1 - 302	15 - 316	AA513238, AA526630, A1051037, A1243789, A1002810, A1051457, AA329659, AA064815, AA707879, F07155, AA362988, A1027056, A1002207, W03818, A1581486, T91561, AA657835, AW188427, R22496, R63562, H03144, AA578358, AA328676, AA503407, AA149724, AA297006, AF053356, AC005409, AF001550, AC010205, AC004895, AL031003, AC004851, AC006211, AL078581, AL020997, Z83846, U91318, AC003684, AC007685, AC004821, AC004098, AC005914, AC004796, AC005484, AC005919, AL049869, AC005243, AL133371,

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HCWGR47	1249	719518	1 - 251	15 - 265	AC007684.
HCWGR48	1250	690954	1 - 167	15 - 181	AL009177.
HCWGR69	1251	849946	1 - 422	15 - 436	T40338, AA657918, AW080134, F16127, F37169, AW265654, AA469451, AA984640, AA704643, AL041368, AL138242, AA491545, AA713767, F29989, AA649642, AI200051, AW023389, AA650434, H65428, AI355206, AA501809, AI061334, AA831388, AA525151, AW406659, AA847128, AA364224, F34795, AA601355, F23249, AA640979, AA156538, F33511, AA678436, AA491814, T63104, N27353, AA533725, AA513939, AA581903, AA649705, AA634238, AA747472, AA714453, AI824562, AA482711, AA310868, AI924251, AA604869, AA654979, AA847753, AA525406, AI963720, AA364315, AA507824, AA601892, M77895, AW104748, AW236342, AA503258, AL043721, AA703707, AA441788, AA310879, AW250970, AI963095, AI303008, W07122, M62272, AA457771, AA318652, AI982651, AA569075, AA470985, AI284640, AW088058, AI471464, F28776, F35673, H64777, AW272758, AA206935, AA604897, AA713534, AI918421, AA235575, AA768905, AI251002, AA708352, AI610159, AI344844, AA749274, AA371567, AI471487, N31557, AA515224, AA767376, AA347531, AA644551, AI962050, F27027, AI287651, AA626678, AA702614, AA745560, AA302732, AA644538, AA831599, AI287528, AI792287, AA425922, AA668578, AI653905, AA101689, AA513972, AW265294, AA523810, H22634, AA713762, AI100372, AA652057, AA603323, AI708009, AA713933, AI246796, AA469460, AA578017, AA613851, AI264743, AA573020, AA468022, AA640900, F23315, AA557879, AA369477, AI610920, AA683037, AI281697, AA143477, T49241, AW406447, AA632960, F36404, AA199660, F32808, AL119691,

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HCWGR76	1252	778293	1 - 399	15 - 413	N88601, AA247827, N84855, H58760, N84048, N83993, N84718, U39066, AF039698, AF032922, and S78798.
HCWGR88	1253	736056	1 - 202	15 - 216	
HCWGT45	1254	913730	1 - 691	15 - 705	N53076, T90911, D25951, AA650097, and AI801737.
HCWGT49	1255	527085	1 - 406	15 - 420	
HCWGT66	1256	531374	1 - 448	15 - 462	
HCWGU11	1257	967064	1 - 650	15 - 664	AA913734, AI056453, and AW194191.
HCWGU49	1258	674752	1 - 227	15 - 241	AA947385, AA468583, and AC005214.

HCWGU57	1259	705637	1 - 117	15 - 131	AI078214, H77522, and AI052167.
HCWGU86	1260	666943	1 - 295	15 - 309	
HCWGW10	1261	935865	1 - 382	15 - 396	AC004590.
HCWGW12	1262	964088	1 - 426	15 - 440	N56555, N88601, AA093861, AA247827, N84048, N83993, N84855, N87989, AF045432, AI243486, U48696, AF039698, and AF032922.
HCWGW13	1263	849911	1 - 395	15 - 409	
HCWGW32	1264	615553	1 - 448	15 - 462	
HCWGW63	1265	745091	1 - 57	15 - 71	Z69705, and AC004754.
HCWGW80	1266	742103	1 - 153	15 - 167	W07329, AI638772, AI766112, AA947305, AI684857, AF086142, and AF086126.
HCWGW85	1267	556369	1 - 265	15 - 279	
HCWGW86	1268	785506	1 - 330	15 - 344	AA584167, AA747070, AI345157, AA580808, AA493695, R95139, AW075948, AA847499, AA468022, AW275510, AA501762, AW193265, AW438643, AW302903, AW249224, AA577959, AI873852, AL042753, AI873990, AA478355, AW149313, AI872020, AI247199, AA483771, AI754658, AI350211, AI687343, AW274349, AA662225, AI583283, AI696962, AA531079, AL048925, AI860013, AA808877, AA724333, AW303196, AI040342, AL038072, AA679532, AA224083, AA515909, AW303002, AI567076, N35602, AA507824, AI133297, AA568869, AA515334, AA847952, AI613280, AA961035, AA468456, AI270117, AW002350, AI471887, AA321168, AA490183, AA333638, AA428792, AA524821, AA369254, N29815, AW301350, AI305766, AI972203, AI584186, AW069769, AA912099, AI932493, AA664909, AA857486, AA683258, AI281881, AI284640, AA613345, AW264934, AA504877, AA588001, AA828749, AI801482, AA169263, AW023990, AW103758, AA634889, AA502860, AI608668, AW235497, AA483223, AA224525, AW276817, AA581903, AA661921, AI054343, AW327868, AI963720, AL120933, AL046205, AL041690, AW270709, AA584082, AL042853, AI634384, AI865905, AA653375, AI368256, AA469451, AW083402, AA623002, AI783494, AW270382, AA938105, AI733755, AI933534, AA812281, AA483929, AA019312, AA577906, AA584581, AW419262, AL042547, AW083364, AA167055, AA576336, AA581123, AA610491, AI434706, AA702729, AI744995, AA682912, AA639326, AI654525, AW274346, AI866160, AI431303, AA579075, AI345654, AA719292, AA658362, AA788901, AW248803, AI445674, AA523837, AA720702, AI816141, AI002510, AL120927, AI358431, AL118991, C16397, AA846876, AA220943, AA613397, AL046409, AA192740, AI133164, AA178953, T06648, AA834792, AI110844, AA715255, T74382, AA715267, AA848134, AL120269, AI824706, AI698447, AI085719, AA478297, AL040130, AI093030, AA533762, AA584667, AI640841, R35746, AA380354, AW276710, AA745406, AA578997, AI470646, AA650376, AA581076, AA601270, AI633390, AW275971, AW301809, AI580250, AI241821, T51911, AA503015, AW118539, R02632, AA126777, AA774780, AA326372, AA533333, AI254913, H71429, AI708009, AA631507, AW168618, AI636730, AA480784, AF034184, AL119713, AW050498, Z84482, AC005028, AC002549, AC006155, AC004620, AL022329, AC005375, AL117356, AL021408, AC005768,

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HCWG95	1269	958780	1 - 451	15 - 465	
HCWGX05	1270	902512	1 - 1076	15 - 1090	AL042667, AL042670, AA642809, AL048060, AW272815, AI433952, AI889995, AI753904, AA555232, AA525818, AA584360, AI310670, AI568376, AW104161, AI697235, AA533381, AA603359, AA669238, AA676592, AW192419, AI733856, AI049643, AI697239, AI697242, AI791659, AL041375, AA640305, AA298365, AA179364, AI270280, AA630476, AA324108, AI927275, AI436433, AI523540, AI434653, AA284247, AA714011, AW151247, AI310787, AI279417, AW238341, H86725, AI355246, AI801563, AI475297, N54538, AI380617, AI690379, AI755227, AI049845, AI431442, AI859368, AL036282, AI473671, AA515727, AI814750,

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HCWGX23	1271	720486	1 - 312	15 - 326	
HCWGX41	1272	849887	1 - 343	15 - 357	AC004033, AC007731, and AC005500.
HCWGX58	1273	920693	1 - 743	15 - 757	C18732, AA634806, AA729161, and AA729860.
HCWGX68	1274	733413	1 - 115	15 - 129	
HCWGX82	1275	924102	1 - 274	15 - 288	Z95115, AC004491, AC005089, AL049843, and AC004973.
HCWGX94	1276	793197	1 - 170	15 - 184	
HCWGY02	1277	920113	1 - 348	15 - 362	
HCWGY03	1278	924208	1 - 251	15 - 265	AI183881, AW014092, AI085895, and AC007245.
HCWGY12	1279	970693	1 - 324	15 - 338	
HCWGY20	1280	669717	1 - 311	15 - 325	
HCWGY33	1281	702441	1 - 476	15 - 490	AA618172, AA632695, AL031681, AC004699, AC002565, AL133353, AL033403, AC004383, AC005562, and AC004128.
HCWGY43	1282	660568	1 - 228	15 - 242	AA716190, AA515438, AA614340, AA618172, AA632695, AI168274, AA760672, AA174138, AA135377, AA348966, T68597, AI735455, D44625, AA206028, AA747322, H17731, AL042425, AA809631, R98945, AW449193, AA226172, AA226173, H59461, AA468491, AA468952, T96546, AI734154, AI732760, AI124595, AA377927, AI240831, AI890794, R54247, R18870, R22698, AA551582, AC006511, AC004129, AF047825, AL031685, AC011331, AD000092, AC005086, AC002070, AL023096, AL031297, AC005495, AC005844, AC004984, AL034379, Z82173, AL034553, AL020997, AL031680, AC007686, AC008134, AL049653, AC005899, AC002044, AP001053, AP000349, AC005082, AC002994, AL031178, AL021937, AL031681, AC007790, AL049575, AC004552, AC007277, AC006501, AP001068, AJ011930, AF121781, AC005609, AP000350, AL135879, AL121790, AC005280, AC005189, AL133238, AD0000813, Z84466, AF001549, AC002132, AL133396, AL049844, AL035461, AL035070, AC002112, AC005620, AC006966, AL031670, AC004616, AL035703, AC009178, AL121652, AF196969, AC004079, AC001226, AF111169, AL049830, AC005003, AC005262, AB020863, Z82203, AC004098, AC004491, AP001059, AC004525, AC004682, AC009509, AP000502, AF134726, AF196972, AL133485, Z92542, AF002223, AC006160, AC004143, AF067845, and Z98304.
HCWGY64	1283	670896	1 - 233	15 - 247	AW020871.
HCWGY67	1284	861886	1 - 320	15 - 334	
HCWGY76	1285	496402	1 - 322	15 - 336	
HCWGY85	1286	917132	1 - 338	15 - 352	
HCWGY86	1287	711312	1 - 459	15 - 473	
HCWGY90	1288	960159	1 - 250	15 - 264	
HCWHA03	1289	924189	1 - 136	15 - 150	AC006468.
HCWHA09	1290	968224	1 - 157	15 - 171	AC003689.
HCWHA10	1291	961278	1 - 376	15 - 390	AA551798, H91611, AI933638, AA593537, AA229422, T05118, AA578832, AI801649,

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HCWHA55	1292	731770	1 - 179	15 - 193	
HCWHA56	1293	733424	1 - 352	15 - 366	AA192173, AA837098, AA923355, AA483125, AA461421, AA828696, T63954, AA834805, AA583978, W07032, AA494090, AI547286, N87410, AA378683, N43757, AA381665, C19058, AA450199, T28550, AI921649, AI376100, AA826144, AW074059, AA551509, AI356904,

					AI564284, AA091395, AA344959, AA338642, AI079667, AA776936, AA776921, N26276, AI922654, C17838, AI820998, T25706, AI471374, AI254798, AI956124, AA009855, AW238325, AI056566, AA598545, N72524, AA658235, AA465321, AA659856, AI758582, N53565, AL042213, AA338193, AA804828, AA360260, AW277171, AA748826, AA093453, AA372881, F19258, AW021886, AA419263, AA559341, W35195, T63416, AA491284, AA665908, AA365492, AA507282, R99777, AA613138, AA631638, AA679009, AW029625, AA768905, AA078255, AI345121, AA767376, AA482743, AA482757, AI570138, AA364488, AW103006, AA331231, AA670158, AC004106, AB006903, U89336, AC004923, AC005095, AC005387, AC005746, AP000346, AL035458, AC006461, AC003112, AF205588, AL022336, AC007308, AB020858, AC007298, AC001066, AC004638, L78810, AC005358, U55184, AC006127, AC006976, AC003041, AL031684, AC004638, L78810, AC005358, U55184, AC006127, AC006976, AF196969, AC007312, AC006039, D32063, AC005516, AP001040, AL023574, AL049757, AC004000, M62424, AR025392, AF061786, AC005253, AC006077, AP000497, AC005971; AP000553, AC005888, AL121915, AF109907, AC004592, Z98950, AP000354, AL022343, U92023, AC006121, AC004167, AL136295, AC005866, AL132712, AL034429, AC003065, AC005033, Z68273, AC004983, AC000392, AC005480, AC004858, AC006441, AC004893, AC005180, AC005599, AC006445, AL031427, Z98941, AC004125, AL024473, AL121580, AC007845, AP000345, AL049830, AC008040, AC001231, AC007687, AL009031, Z99755, AC002326, AF017257, AC016026, AC012083, Z84466, AC006557, AL031178, AL035460, AC006312, AL031985, AC005362, AF156495, AC000387, AC006116, AL133245, AC007314, AL121603, AL049795, L78833, AC004527, AC003664, AC004542, AC006120, U00481, AC005482, AC004712, AL035405, AC004859, AP000134, AP000212, AC004802, U80017, AC006531, AC000353, AC005023, AC007030, AF196971, L81893, AL132767, AC006479, AP000135, AP000270, AL035413, AC005800, AF139813, AC002057, AC006543, AL031722, AL031846, AP000356, AF165926, AB003151, Z93020, AP000031, U95740, AF044083, AC006511, AL031782, AC002470, AC005926, AC006530, AC007319, U66061, AC005207, AC006211, AL031680, AL121655, AL034548, AC005041, AC006544, AC005274, AC004263, AL008629, AC005277, AC005225, AC011331, Z69705, AP000359, AC016027, AP000310, AL117328, AC016830, AL021154, AL117694, Z98051, AC007686, AC005913, AL049758, Z95400, U67817, AC005740, AL110502, AL033376, AP000032, AC008067, AC005839, AL049712, AC004999, AC004159, AC005015, AL008639, AC004754, AC004929, U47924, AC005921, AC004848, AC006241, AC005082, M77848, AL035684, AC006449, AL022326, AP000692, AL050332, AL133448, AC003006, AL022476, AC004862, AC002492, AC004857, M77849, AC006509, AP000252, and AL050341.
HCWHA84	1294	733421	1 - 306	15 - 320	
HCWHB12	1295	970688	1 - 366	15 - 380	
HCWHB32	1296	966508	1 - 411	15 - 425	AL122003.

HCWHB65	1297	711437	1 - 122	15 - 136	
HCWHB68	1298	573571	1 - 317	15 - 331	
HCWHC01	1299	849886	1 - 320	15 - 334	AW117951, N64437, AA345333, N66776, AA508509, AA669416, AA724230, AI432270, AW439480, AI358343, AW193546, AI570822, AL120502, AW243706, AI252085, R44592, Z83840, U85195, AE000658, AL109628, AJ011930, AC006449, AC005089, AL022163, AL022326, AL022238, L44140, AC000353, AC006374, AL020997, AL021707, AF196969, AF117829, AC004491, AC002381, AC002400, AC005046, AC007666, AC004671, AL049830, AL031577, AC000085, AC005565, AC002299, AL135744, AC005332, AC006211, AL121655, AL049874, AC004000, AL023807, AC005288, AC005826, AC004003, AL096701, AC007243, AC006312, AC006270, AL033525, AF042090, AC006379, AC006501, AL031737, AC020663, AP000509, U95740, AC006116, AC006285, AC004941, AF109907, AC005529, AC004895, AJ239321, AP000514, AJ246003, AC006530, AC007676, AC005212, AC004678, AP000031, AL023799, AL023281, AL121658, AL031120, U52112, AC005231, AL008718, AL034421, AC003663, AC006023, AL121652, AL035458, AC008126, AC005057, AC007277, AC004859, AL022720, AC000025, AL109847, AL133312, AL049745, AC005694, AB020868, AC002472, AC005527, AD001527, U47924, AL031668, AC002351, and AL049759.
HCWHC26	1300	950719	1 - 420	15 - 434	AI446464, AA348929, AA525824, AA503454, AI832909, AA192470, AI608626, AI436677, FI9716, AI625647, AI589461, AA669251, AA045894, AI559251, N43757, C05755, AA451612, C06327, F10924, AA190911, AA446544, AA848172, AI472222, AI889781, U51696, AA338486, AL038703, AA652940, H64560, AA668639, AA744075, AA085124, AI064864, AA528519, AA074130, R78962, AI301713, AA359958, AI499134, AA243452, AW067900, R79263, AI692808, AI690698, F28576, AA347368, AL121505, AI357698, H60143, AA533450, AA669416, AA181823, W05405, AW302013, N92446, AL119984, AA954936, AI568678, AA593060, AI921649, AI969436, AA837677, AA182038, AA648064, AA630352, N95554, AI679132, AI376100, AI569086, AA303845, AA147197, AW117750, H85382, AA834820, T11542, AI798473, AA492252, AA480784, AA528516, AA886584, AA629992, AW074059, AA443138, AI356904, AI564284, C06119, T56719, AC005288, U18396, M57427, AL008715, AC007225, AC008115, AP000503, AL132777, AC006285, AL121658, AC016025, AC004226, AC007240, AC004895, AF134726, AC005879, AP000552, AL133445, AL080243, AC005231, AL049869, U57004, AF067844, AF172277, AL008582, AC002350, AL133448, AP000347, AL122020, Z83840, AL049872, AL049636, AF088219, AC003043, AC007226, AC005730, AC003969, AC005909, AC005412, AL117356, AF165926, AC005048, AL050312, AC004853, AC002550, AJ239318, AP000042, AC003966, AL050341, AC005527, X06123, AL109802, AF090944, AC005488, AC000353, AC007676, AC005632, AC005529, AC004019, AC006449, AL021579, AL035460, AL109653, AC000025, AL121578, AC007546, AJ006996, L49046, AP000496, AC006359, AL021368, AP000497, Z69918, AC004813, AC003013, AF015723, AC002316, AF114156, AC006211, AL009174, AL021940, AC002543, X61109, AP001138, Z99716, Z97876,

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HCWHC35	1301	706508	1 - 349	15 - 363	AC004983.
HCWHC37	1302	706509	1 - 300	15 - 314	
HCWHC50	1303	591202	1 - 537	15 - 551	AL035414.
HCWHC59	1304	964852	1 - 252	15 - 266	AL125214, H78331, N63856, and AA702824.
HCWHD07	1305	953384	1 - 438	15 - 452	
HCWHD17	1306	663865	1 - 428	15 - 442	AA019537, D58283, D80195, D80391, D51423, D59619, D80210, D51799, D80240, D80253, D80227, D80196, D80188, T03269, D80219, D59927, D80043, D80212, D81030, D80038, D80193, D80366, D80022, D59889, D80166, D80378, D59859, D59275, D80269, C14429, C14014, D80045, C75259, D80168, D80134, D59502, F13647, D80949, C14227, D57483, D80241, D59610, D81111, D58253, D51079, AW178775, AW377671, AW352158, D51097, AW360844, AW178971, AW177714, AW352171, AW179007, AW178754, AW179024, AW179020, AW177456, AW377676, AW179012, AW352174, D80290, A1557774, T11051, AW178986, AA033512, AA285331, H67858, A1525907, A62300, A62298, X67155, A67220, A84916, A25909, D26022, D34614, A1132110, A78862, D89785, AR025207, Y17188, D88547, X68127, I82448, A85396, AR066482, AB010386, AB012117, X93549, A85477, U87250, A86792, I19525, A44171, AF135125, AR064240, Z32749, S69292, I18371, X89963, A43601, S78798, and AB033111.
HCWHD23	1307	934917	1 - 279	15 - 293	AA432091, AC005899, AL050308, AC007371, AL031005, AC005089, AC008055, AC004922, AC004148, AC003982, AC005412, AC002365, and AL031311.
HCWHD68	1308	690359	1 - 394	15 - 408	AC005591.

HCWHF62	1309	582472	1 - 429	15 - 443	H66222, R16430, and T99465.
HCWHF85	1310	746745	1 - 305	15 - 319	H95605, T05617, A1630894, AA587113, AA456942, AA430652, A1918575, AL048479, AW316599, A1866377, R01574, AA223907, A1633386, AA830070, A1567391, AA021354, F30586, AA054170, A1653776, AA515129, A1336398, AW337805, A1096714, A1962030, N64807, H97510, F35689, A1905408, AW238212, AA018617, AA838192, A1921765, AA214227, AW082104, AL096701, AC005280, AC016027, AC016830, AF047825, Z84469, AF036405, AL031651, AL035458, AC004150, AL031447, AP000962, AC004983, AC000024, D87011, AF124523, AC004821, AD000684, AC006121, AC002394, AC004253, AC005482, AL109798, AL132774, AC006130, Z68165, AL049766, AC002425, AL132987, Z97056, AC003003, AL035400, AL031681, AL034420, AC006512, Z82193, AL033527, AC004477, AC007308, AL049713, AC005881, AC004884, AC002551, AL031577, AP000503, AC005736, AC007970, AF165926, AC007225, AF084941, AL031659, AC005874, AF13471, AF134726, AC005011, AC006441, AC006552, AC007536, AR036572, U91328, Z85987, AC004605, AC004259, Y11107, AL008707, AC006946, AC004600, AL031685, AL024498, AC007191, AF196972, AC006241, AC006023, AF064861, AC004554, AC006536, AC000052, AL031680, AC003982, AC002470, AC002300, AC005410, AL049777, AC004019, Z85986, AF111170, AC004938, Z94801, AL023575, AC005089, AL022336, AC005048, AC005837, U91323, AL096712, AC004031, AL049540, AL049765, AC000120, Z98051, AL049760, AL031431, AC004616, AC006312, U95090, AC004386, AC002314, AL008718, AC005368, Z75890, AC004643, AL110292, AF109907, AC003043, AC007381, Z98200, AL031596, AC005037, AF048729, AF001550, AC007731, AC005726, AC005500, AC004858, AC003108, AF118808, AC004491, AF015416, AC006487, AC005225, AP000555, AC005856, AC006115, AC007052, AP000365, AL109758, AC005091, AC002430, AC000003, AC005920, AP000303, AC004851, AC004878, L17395, A1011930, AC006509, Z73417, AC006328, and AC020663.
HCWHJ15	1311	968379	1 - 129	15 - 143	AC009248.
HCWHJ25	1312	686712	1 - 340	15 - 354	AA488432, AA829225, AA458804, AA364315, A1744739, AL041706, A1053644, AA362917, AA528725, AA720702, F28122, H57509, AA654968, AA146625, F33121, AA630362, AA988870, A1051230, A1056964, R99168, R77905, A1460390, AC007387, U95090, AL109654, AL135783, S41998, AC006536, AC007057, AL049872, AP000556, AC011592, AC006441, AP000552, Z85986, AF109907, AP000275, AC002350, AP000105, AP000037, AC006130, AC005694, AC006057, AC004858, AL117338, AC005527, AC004659, AL109984, AC000085, AC006121, AC008134, AL021394, AL031005, AL110502, AC004531, AL035458, L44140, AC005512, AP000692, AC000052, AC007537, AC007363, AC006285, AC006502, AL034451, AC004019, AL135879, AL121790, AC005529, AC002289, AC006277, AP000307, AL022329, AL096702, AC002288, AL134448, AL031587, AC002448, AP000115, AL022316, AL020993, AC007011, AL049797, AC007536, AL022320, AL121653, AL021878, AC005324, AL133382, AF042090, AC001226, AC005330, AL096701, AL021453, AC008064, AL022726, AC006255, AL050323,

HCWHJ48	1313	721816	1 - 340	15 - 354	AL049843, AC006512, AL050318, AF061779, AL022238, AP000114, and AP000046.
HCWHJ53	1314	693313	1 - 411	15 - 425	AC008101, AC008079, AC016027, and AC016830. AA344959, AA831388, AA526193, AW408063, AA483043, AA365571, AA565700, AA302952, AA301813, A1249688, W07122, T41134, AA327572, H12972, AA063426, AA744025, AA516225, AA341120, A1963720, A1355206, R66407, AW019964, A1754105, AA702206, A1198376, AA227162, H59856, AA720746, A1038304, AA610491, AA384039, AA847029, AA737150, A1754567, A1569100, AW192599, AA368329, A1061334, A1755214, AL044000, A1708005, A1061313, A1928790, AA365520, A1569510, A1244356, A1080307, A1678392, A1624698, AA594725, A1281431, AW131356, AA804993, AA828704, A1912322, AA579184, AA747889, N54179, AA298387, H65439, A1886365, AA526755, AW265654, A1921317, N55476, D58782, AA364315, AA757743, A1860020, AA838479, T57604, H72666, C05999, AA838477, A1889794, AA633175, AL120343, AL049795, AC005399, AC004983, AL121653, AL021808, AC005225, Z69921, AC004797, AL132987, AC006459, AP000214, U02057, AL035071, AL049776, AL033392, AF165926, AC007216, AF111168, AC004910, AC005104, AL022320, AB003151, AC005252, AF109907, AC005089, D83737, AL121657, AL023803, AC004460, AL008630, AC004890, AC003101, AC002425, AC002377, AC004470, AL031846, AL031296, AC005231, AC005874, AF134471, AC007738, AC000353, AP000255, AC006312, AF129756, AC020663, AP000354, AC007227, AL049766, AC004400, AF001549, AP000105, AP000037, AP000031, AC004854, AF196969, AC005071, AC007371, AL022158, AC004972, AC006538, AC006047, AC002523, M87914, AC005081, AP000135, U89337, Z93244, AC005772, AC006441, AC005899, M87918, AL022238, AP000692, AC004496, AC003108, Z98050, L78833, AF026069, AP000555, AB017602, AC011362, AC006077, AL031729, Z99128, AP000689, AL031255, AL080243, AF019413, U57007, AL023807, AC004019, AC006111, AL050318, AC005520, AC004463, AC006285, AC002400, AL078639, AC007285, AC007225, AC004259, AC007546, AP000513, AC004812, AC004600, AL034420, AC016025, AF196779, Z97055, AP000509, AP000251, AL034429, AC004216, Z99496, AC006271, AL031005, AC005796, AB015355, AL109759, AC004605, AC004929, AF045555, AC004859, AL049761, AC004841, AC004821, AC006953, AC007263, AL035415, AC007537, AC000052, AL049709, AC005393, AC005839, AC002553, U63630, AC007899, AB023049, AF053356, AC004770, Z93017, AP000141, AP000089, AC004408, AC007308, U07563, AC004066, AL035072, AL121603, AL022325, AC006160, AC005588, AC004585, AC004477, AL034417, AC002126, AL035681, AL121655, AC005768, AC002470, AL035587, AL035448, Z92540, AL023574, AC002997, U73638, AC004973, Z83826, AC002115, AP000512, AC006468, AC002404, AC003070, U66060, AP000211, AP000133, AP000030, U02058, U66061, AC007160, AC003104, AC007533, AC002542, AL109758, Z82176, AL008721, AL049760, AC007064, D26067, AL078476, AL121825, AC007688, AC007632, AP000009, AC006138, AC004802, AP000695, L78810, AC006059, AP000688, AL031428, AC004195, AC007666, AF207550, U91326, AP000350, AC005940, AC004242, AC005747,

HCWHJ55	1315	861884	1 - 719	15 - 733	<p>AC006515, AF015155, Z98048, AP000556, AF067844, AC005668, AC004211, AP000275, AL035659, AL035405, AC005146, AC005370, AL034401, AC006013, AC002985, AC004383, AL021977, AL049713, AL136504, AC005207, AL133485, AC005539, AC004858, AC004771, AC004918, AL049636, and AC005837.</p> <p>AI076616, AL045053, N48230, AL138265, AA130901, AI053790, AL042853, AI355206, AA581903, AA722372, AI963720, AA846876, AL119691, AA584201, AI817516, AW440545, AI374809, AW102955, AA468022, AI951863, AW265393, AL046409, AA877817, AI457397, AI284640, AA126035, AL046205, AW088846, AI732865, AW274349, AA507824, AL042420, AL040921, AW008212, AI305547, AI708009, AA468131, AI357901, AA703887, AA720702, AI281881, AI270117, F28204, AI312309, AA812139, H08791, AA584195, AA521399.</p> <p>AA623002, AA521323, AI345157, AA515829, AW163293, AI334443, AW021583, AA610491, AA501809, AW169151, AA837677, AW327868, AI956124, AA493471, AI871722, AA491284, AI204304, AI801482, AA490183, AA480772, AW238278, AA311319, AA587604, AI696962, AA515549, AL037683, AA610271, AA126051, AI254316, N94311, AW406447, AI431303, AI133164, AA349366, AW303196, AW265385, AW407578, AA657918, AI445582, AA503473, AL041690, AA478355, AA599480, AL038072, AL038705, AW301350, AW304584, AW270382, AW193265, AW103758, AI368256, AW439558, AI345518, AI471481, AI368745, AL044940, AW062682, AA514854, AL046457, AW028392, AW131249, AI744188, AW020340, AA491814, AA503475, AI138455, AI860020, AA846760, AA703820, N92756, AI133262, AI865905, AI207401, AI799642, AI267818, AI625244, AA569471, AI307608, AI969436, AI249997, AA576336, AW419262, M77974, AI282832, AI370074, AW270270, AA719292, AW410400, AA572713, AA579366, AL119984, AI559705, AA533333, AA908687, AA533036, AA523837, AI580652, AI376100, AI921649, AI890348, AA483223, AI471543, AI053606, AI745325, AI640409, AA631507, AW276817, AI613280, AA515909, N53150, AI608771, AA613203, AI754955, AA531372, AA665021, AI370094, AA349854, T41259, AI564284, AW023672, AA828704, AA502104, AI537955, AI345654, AI538433, AI568678, AA488395, AL048626, AI251436, AW302903, AW302909, AA584082, AI017415, AI538852, AA583955, AA513850, AL119649, AW276827, AL120483, AI370977, AA584145, AA079462, AI061334, AA679514, AA630362, AW072923, AA470969, AA947360, AW302013, AW088202, AA522942, AA714453, AA683258, AI792287, AA781975, AW069769, AA558656, N76673, AI912322, AC000353, AC005332, AC005295, AC004929, U91321, AC008115, AF053356, AC006312, AF045555, AC002565, AC007225, AC007226, AC005529, AC003007, AC005057, AC002476, AL121603, AP000112, AC005072, AL109802, AC007191, AC002045, U63721, AC005696, AL049776, AL121655, U78027, AC007151, AP000045, AP000113, AC007666, AC005412, AC002470, Z98044, AC006449, AC004967, AF038458, Z99716, AL049712, AL022165, AC004167, AC006480, AC004099, U95742, AL031311, AC005089, AC007685, AC006111, AF006752, AL132712, AC005911, U47924, Z97054, AC005015, AL096701, AC005291, AC006130.</p>
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HCWHJ75	1316	786019	1 - 398	15 - 412	AI358229, AI368745, AI570261, AL046409, AL138265, AI133164, AI334443, AW265385, AI679782, AI963720, AW406755, AI284640, AI370074, AW088846, AA610491, AA491814, AL043719, AI370094, AW088616, AA482711, AA720702, AW419262, AA581903, AW303196, AW327868, AI754955, AL044858, AW193265, AW274349, AW301350, AL119691, AI350211, AI431303, AA469451, AI457397, AI962050, AI061334, AA680243, AI110770, AI888518, AL042753, AI200051, AI281881, AW265393, AW162049, AI270117, AI929531, AA847499, AI792287, AW166815, AI860020, AI365988, AW085780, AI053672, AW276827, AW023672, AI567674, AW302013, AW104748, AL038785, AI339850, AI610159, AA587604, AI610920, AA831375, AL038474, AW103758, AL138455, AI708009, AW080134, AI801482, AI561060, F29989, AI345681, AI376100, AW069227, AA503258, AI921649, AW338086, AI865905, AI613280, AW410400, AI619997, AI754658, AW129001, AW439558, AI421841, AA713815, AI814735, AW438643, AI537955, AI697208, AI745325, AI345654, AA523843, AI246119, AA665330, AI890348, AA490183, AI904894, AI732120, AI471481, AW269488,

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HCWHJ91	1317	674157	1 - 400	15 - 414	AC005605, AC004908, and AC005604.
HCWHL11	1318	967057	1 - 403	15 - 417	
HCWHL36	1319	465250	1 - 481	15 - 495	W72636, and AA737484.
HCWHL42	1320	959894	1 - 422	15 - 436	AI280574, AI554725, AI436330, AA477517, AA533054, AA213590, AW150387, AA659832, AL040374, T78072, AA663074, AI049931, AC008127, AC013417, AC005726, AC005488, AP000008, AP000704, AC006486, AL022329, AL133396, AF031078, AC006014, AF030876, U73167, U90094, AL008635, AC005924, AL031255, AL035697, AL109758, AC004477, AC007687, Z97053, AC004797, AL031597, AC003665, AC005873, Z92546, Z83844, AL031284, AC002301, AC007899, AL121654, AL133448, AC000035, AC005383, AC003962, AC000044, AL035079, AC005237, AC000034, AC004448, AP000353, AC002425, AC006143, Z82190, AL135783, Z84572, AC008055, AF205588, AC002352, AC004813, AF179633, AL022326, and AC005529.
HCWHL73	1321	960097	1 - 539	15 - 553	AA219247.
HCWHL89	1322	754087	1 - 127	15 - 141	
HCWHN05	1323	849885	1 - 363	15 - 377	
HCWHN28	1324	529654	1 - 318	15 - 332	
HCWHO38	1325	573533	1 - 413	15 - 427	
HCWHO45	1326	717807	1 - 436	15 - 450	
HCWHO78	1327	960180	1 - 337	15 - 351	
HCWHO93	1328	924109	1 - 381	15 - 395	AL121852.
HCWHP06	1329	935483	1 - 288	15 - 302	AA729468, RI0107, W89152, AA383903, W88647, AI910620, AI241829, AA348884, AI473501, AI538106, N77986, W67486, AW198103, H54411, AA320684, N73349, W67485, AI352089, H67251, R99079, AI362519, AA054355, AA583390, AI654404, AA831624, H71523, T83076, R09897, AI149238, AA767864, T95920, AI032114, AI061577, AA045892, AA491889, R34073, AI884375, AI267544, AA515929, W87421, AA297443, AA077228, AI472070, AI479070, AI287788, AA831638, AI824558, AA655007, H12182, AI004220, AA100325, AI275725, AA651647, AW338697, F07225, AI523875, H75392, T89763, AI808173, AI125633, AA582060, AA745570, AA311509, AA669734, AI559178, AA547979, AW051628, AA176125, AA363250,

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HCWHP25	1330	881285	1 - 638	15 - 652	AA203553, AA004349, AA678315, AA507179, R08030, R08080, and AW366361.
HCWHP40	1331	577691	1 - 382	15 - 396	
HCWHP44	1332	705392	1 - 114	15 - 128	AA702353.
HCWHP70	1333	711476	1 - 300	15 - 314	AC007199.
HCWHP74	1334	598510	1 - 423	15 - 437	AI350663, AI016289, AL037105, R59942, AA019396, AP000017, and AP000158.
HCWHP84	1335	849900	1 - 441	15 - 455	
HCWHQ03	1336	924187	1 - 347	15 - 361	AL110456, and AA326002.
HCWHQ31	1337	574945	1 - 416	15 - 430	
HCWHQ82	1338	677186	1 - 439	15 - 453	H98124.
HCWHR01	1339	916526	1 - 422	15 - 436	
HCWHR09	1340	542336	1 - 374	15 - 388	AC005752.
HCWHR59	1341	739293	1 - 572	15 - 586	AW207505.
HCWHR77	1342	729850	1 - 331	15 - 345	
HCWHR81	1343	935419	1 - 359	15 - 373	

HCWHS13	1344	657230	1 - 256	15 - 270	<p> AI368745, N43757, AA593060, AA658093, AI547286, AW088202, AA365347, AA501600, AW080134, M86058, C18360, C18357, AA450199, AA344959, AA513999, AA658235, AI921649, N71557, AA377730, AI376100, AI372413, AW074059, AI356904, AI564284, AA723017, AA856981, AA653964, F29989, AL042213, AA634855, C19058, AA828680, AA338642, AA713815, AI079667, AI205126, AA594725, AA301813, AI453383, AI889781, AI929531, AA828704, C17838, AI679782, AL120674, AW162049, AW020340, AA715362, AA384502, AL119391, AI216799, AA502103, AA634227, AA482711, AI962050, AI956124, AA229785, AI251002, U51696, AI567674, AA025083, AA515051, AW029038, AW023672, AA642060, AW166815, AW265294, AW131034, AI358229, AI904894, N53150, AA635368, AA310158, AI917271, AA826303, AA428414, AI339850, AI064952, F31204, AI921673, AA829106, AA297744, AI133636, AI608626, AI890923, AA503947, AL138265, AW406755, AA669416, AA365571, AL038785, F37286, AI365988, AW440836, AI821028, AI821279, AA228471, AA419263, AA581903, AA886584, AI469003, AW339687, AI922840, AA469451, AA318652, AI635272, AI886365, AI744188, AI890928, AI250284, AI049722, AI537955, AA515128, AI890570, AA804828, AI017024, AA584201, AA350859, C06458, AI446464, AA551509, AA483068, AI918421, AA486680, AA484059, W60516, T49751, AA345333, AI625244, AW173651, AI610159, AL041368, AI418391, AI282832, AA302308, AA649642, AA598824, AW338500, T28550, AA085124, AA493768, AA372478, AI193007, F36273, AA320748, AI357551, AI343137, AL042853, AW084253, AI284640, AA515435, AL041412, AW440976, AI940546, AW339568, AI859742, AW236342, AA362395, AA626678, AW175641, W07032, AA320113, AI963600, AA465321, AI143242, AA663634, F28576, AA639250, N66026, T29180, AL039309, AI298710, AA558697, AI305547, AI569086, AI922654, AW169151, AA558857, F23274, AA309841, F34826, AI471487, AA364456, AF039185, AI053672, AW406659, AW419118, AA669251, AA148489, AI471487, AA364456, AF039185, AI053672, AW406659, AA634146, AA127191, AL046409, AA502963, AI064864, AA503284, AI471481, AA678616, H78195, AL133723, AI471572, AA177061, AW410400, AP000311, AC007628, AP000049, AL031846, AC002067, AP001040, AP000152, U14718, AC004853, AC005565, AC004592, U14719, AF017257, AC005866, U14715, U14717, AL121603, AL031782, Z86062, AL049830, AL133246, U14716, U14713, U14711, U14712, U14698, AC008055, AF111168, AC006241, AC010197, AC002410, AC004647, AJ229042, AC006597, AL031655, AC004796, AC002073, AC005291, AL078603, Z99755, AP000193, AP000497, AC006511, AC002432, U14706, AC004150, AC002542, Z86061, AC003002, Z99916, AL109941, AP000117, AP000354, AP000954, AC005589, AF015160, AC005221, AC003084, AC005166, AC007077, AC004804, M62424, AR025392, X13794, AC005099, AC007536, AF064863, AP000116, AP000011, AC003985, AC008126, AC004771, AC006221, S75337, AC007870, AC004981, AC007392, AC005888, AC004949, AL021918, AL132718, AC006384, AC007385, AL049613, AC002485, U95740, AC006561, AL021940, AC004638, AL109799, AC002124, AP001172, AP000519, </p>
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HCWHS28	1345	675051	1 - 309	15 - 323	
HCWHS77	1346	861875	1 - 337	15 - 351	AC004854.
HCWHT50	1347	527542	1 - 475	15 - 489	
HCWHT56	1348	849979	1 - 353	15 - 367	
HCWHT59	1349	924105	1 - 320	15 - 334	AC004542, AL049694, AC006112, AL121694, and Z84474.
HCWHU22	1350	849878	1 - 330	15 - 344	AB033063, and AR065869.
HCWHU30	1351	974485	1 - 392	15 - 406	N88601, N84855, AA095359, H58760, AA096046, N89520, N83168, AA247964, N83992, AA247827, N83991, N88782, N84048, AA093224, AA096066, AA095641, N84830, N84718, N86694, N87989, AA471338, N55698, N84712, N83993, N88518, N84829, N88496, N87898, AF102850, AF039698, AR066487, AF103726, S78798, U48696, AF045432, U39066, AF032922, and A1243486.
HCWHU47	1352	720340	1 - 306	15 - 320	AI075000, AL049869, AL109623, AC005680, AC004685, AC005233, AC004014, AC000097, AC006547, AC005187, AC007021, and AL035665.
HCWHU52	1353	726054	1 - 163	15 - 177	
HCWHU54	1354	727314	1 - 131	15 - 145	
HCWHU58	1355	736052	1 - 309	15 - 323	
HCWHV11	1356	964996	1 - 254	15 - 268	AW243834, AI014798, AI332671, AIS90042, and AI679747.

HCWHV18	1357	466511	1 - 329	15 - 343	T80701, and AL034551. R86114, AL383589, R56101, AL801563, AL500151, AL866422, AL547110, AA338474, AL754257, AL580480, AL744817, AL044701, AA862218, AL553670, AA586474, R26871, AL797998, AA633804, AW265468, AL002786, N52274, AL446424, AA493808, AL057560, AL445699, AL631299, AW021674, R22196, AW082556, AL702049, AW148821, AW410844, AL022329, AC005037, AL034343, AL049776, AC005914, AC002470, AC005666, AC002369, AC005874, AL134471, AL021939, AL109865, AL034420, AL031287, AC006130, AC007051, AC007919, AC005537, AL109628, AL078638, AC009241, AC006013, AL009179, AC005776, Z95114, AC004139, AL034371, Z97181, Z85987, AC005747, AC007358, AC002310, AL034351, AC005562, AC012085, AL009181, AC004963, AC007376, AC004996, AC006237, AC006006, AF111169, AC006539, Z75887, Z94802, AC007541, AL133448, AL133163, AL132641, AL021918, AC004859, AL008710, AC006966, AC004812, AP000402, Z83822, AC006014, AL121756, AF031078, AC005701, AL121652, D87675, AL035425, AL035461, AL121603, AF030876, AL031767, AL035249, U78027, AC002352, AL009172, AP001054, AL135744, AC005503, AC000372, AL035422, AL003147, AC004675, AC005763, AC005361, Z99570, AC002477, AC004525, AC003042, AC006511, AL031584, AL021808, AF088219, AC005921, AC004099, AC007533, AC002395, Z69890, AC004686, AL049839, AC005602, AC000088, AC003965, AC005488, AC000071, AC004517, AC004858, AC005082, AC002559, AC004079, AP000501, Z82901, AC006455, AC005969, AL132992, AF165926, AC000405, AC004854, AL109963, AL034423, AL031575, AL050306, AL022476, AC005004, AC002429, AP000289, Z99714, Z98950, AC004900, AP000042, AP000110, AL020997, AL080243, AP000142, AL022328, AC003109, AL049636, Z93241, AC012627, AF109907, AL049759, AL022302, AC007666, AC002544, AC006977, AF190465, AL031311, AC005759, AC004223, M97911, AL139054, AC006468, AC002476, AC004913, AC005221, AC005225, AC004815, AC004924, AL049569, AL049713, AP000347, AL022576, AC004857, AL035587, AP000694, AC020663, AC004583, AC005067, AC009516, Z97183, AC000052, AL031985, AB023048, AC005233, AC007686, AP000346, AC006023, AF047825, AL021407, AC006948, AL079303, AC002094, AL117352, AC002542, AF197228, AC004887, AC005695, AC007537, AC005746, AC005291, U85195, AC005015, AF111167, AC010722, AC004797, U91326, AC004148, AC005355, and AC004453.
HCWHV28	1358	686710	1 - 522	15 - 536	
HCWHV33	1359	702437	1 - 243	15 - 257	
HCWHV41	1360	960157	1 - 331	15 - 345	
HCWHV61	1361	849983	1 - 410	15 - 424	AA059296.
HCWHV64	1362	770049	1 - 407	15 - 421	
HCWHV66	1363	923527	1 - 505	15 - 519	
HCWHV71	1364	917274	1 - 489	15 - 503	
HCWHV94	1365	953379	1 - 360	15 - 374	

HCWHW32	1366	861905	1 - 546	15 - 560	AA629679, AF111168, AF207550, AP000501, and AF111167.
HCWHW38	1367	722213	1 - 286	15 - 300	
HCWHW83	1368	841937	1 - 558	15 - 572	AW023111, AA533054, AL048002, AL281818, H71678, AW150387, AW151247, AA069729, AL791659, AA515728, AW237905, H69523, AA706495, AL742168, AA315361, AA772906, H29914, AL446259, AL192440, AW245354, AA984920, AA601728, AA584756, AA284247, AW104163, AL040374, AW265688, AA837035, AL310464, AL821931, AP000210, AP000132, AP000248, AC003962, AC010170, AL049589, AP000030, AL133246, U91321, AC004966, AC004938, AL035400, AC005921, AC007308, AL031447, AP000503, AC006515, AL080317, AC000353, AL096791, U95090, AF134726, AL035071, AL035405, AC007052, AC009516, AL021546, AC006965, AL003147, AC006312, AC003684, AL117258, AC005318, AL021069, AC004797, AB000882, AC005046, AF047825, Z83826, AL008730, AC007546, AC006581, AF001548, AC004764, AC006468, AF129756, AC004890, AP000512, AC005231, AC004605, AP000692, AC002310, AC007690, AL031427, AC006480, AL031668, AF001550, AF109907, AL022322, AP000557, AL022171, AC004881, AL117694, AP000038, AC002404, AC005086, AL024498, AC004156, AL035089, AC004882, AC003108, Z83308, AC005529, U52112, AC008040, AC006455, AL031428, Z85987, AP000350, AF064861, Z98946, U50871, Z82189, AL035681, Z82215, AC005527, AC008055, AC006285, AL008729, AL022318, AC016025, AC005288, AC005666, AP000311, AC020663, AL109627, AC008372, AC002477, AC005722, AC003038, AC007057, AL049872, AL096766, AP000558, AC006130, AL133243, AC005907, AC005513, AC005914, AC005015, U47924, AC004686, AL031255, AC004000, AL049775, AC004228, AC004253, AF117829, AC006023, Z82201, AC005736, AC006571, X55448, AL024507, AC006080, AF155238, AL049843, AC006449, AC004525, AL049780, AC004796, AC004656, AC007450, AD000812, AP000049, AL049694, AP000553, AC006262, AP000251, AC004143, Y10196, AC005971, AC005777, AL023575, AL132642, AP000113, AP000045, AL021707, AL050305, AC006441, AC005180, AC007172, AL035683, AL021808, AP000212, AP000134, AC002375, AC004601, L44140, AC004585, AC004832, AC007376, AL021807, AC002126, AC005684, AP000355, AL035079, AC004491, AC007999, AL034548, AC004887, AL034420, AF139813, AC005220, AP000208, AC006121, AL096701, AC006111, AC002301, U52111, AC006208, AC004131, AL021155, AP000247, AC004662, AC007536, AC006317, AL031588, AC005839, AC007537, AC004883, AC004263, AL049869, AC005070, AL022313, AL035086, Z97876, Z97353, AC007055, AC005516, AC005412, AL035420, AC002045, AP000359, Z95114, U95740, AC005229, Z83838, Z85986, AC005740, AC003042, AC005632, AC007292, AC007226, AC006271, AL035684, AL031311, AC005484, U91326, AC004125, AL022476, AL031663, Z93241, AC005874, AF134471, AL031133, AL049636, AC005899, AC007541, AC007845, AB026898, AL035697, AC007242, and AP000688.
HCWHX08	1369	959456	1 - 439	15 - 453	AA605123, AL963720, AL251436, F18638, AA482711, AL061334, AL352078, AL344844, AA493219, AL355206, AL962050, AA843450, AL921649, N43757, AA829106, AL624698,

	AA489775, C06327, AA28704, AA581903, AW023672, AA502103, AA665330, AI860020, AA226305, N54894, F30933, AI017415, AA503015, AL138265, AI376100, AL042853, AW242109, AW303196, AW274349, AI053623, AI956124, AA661948, C05755, AA621704, AW301350, AA468022, AI904894, AI564284, AA348929, AA338486, AI284640, AL043719, AI453383, AA310158, AI567076, AW074059, AA369477, AI356904, AI305766, AI431303, AI151261, AI732120, AI061296, AA483771, AI547286, AW193265, H13757, AA826303, AA714453, AW247819, AI619997, AI053489, AA542991, AW080134, AI890928, AA810318, AA525824, AW021747, N25303, AW276817, AL037554, AA252763, AA302963, F25867, T90692, AA649642, AI434311, AI061143, H78195, AA132833, AA603445, AA069118, AW193432, AI688846, AW102849, U57007, AF015160, AF015153, A39972, AF015155, AF165926, Z30979, AF015167, AF015148, AC005081, AL023879, AF090940, AC009247, AC006350, AC007216, AC000081, AC004887, AP000248, AC006057, AF068862, U12580, AC007735, AC005944, AL121658, AC006077, AC004647, AC004150, U18396, AC006547, AC004895, AC004797, AF015166, AI246003, AC002378, AP000553, AC002425, AC004678, AC002544, AF015170, AL080243, AC006538, AC006019, AF196779, AF015158, AC010206, AB023049, U18395, AC002115, AC004812, AC006312, AL031846, U73634, AC006571, AC004668, X55926, U18398, AC004913, AL121655, AL022721, AC005004, AD001527, AC011311, AF069508, AC006040, L35531, AL021546, Z69921, AC016025, AL133245, AC004903, AF017257, U57009, U91326, AF024533, AF114156, AC005231, U95742, AC006449, AL132992, U47924, AP001052, AC005037, AC006111, AC006254, AC003104, U57005, AL135744, AC005280, AL121603, AC020663, U85195, AC009516, AL022326, AF109907, U67234, AF015162, AL050321, AL023494, AC002301, AL034549, AC005412, AC006241, AC006486, AC007546, AL022329, AL023553, U18394, AL133246, AP000517, U12582, AL049757, AF088219, AC005212, AL035659, AE000658, AL031685, AL109627, AL035587, X54180, U18391, X55925, X54176, AC002310, AC003041, AC007676, AL031650, AC006285, AC004771, AL031281, AC006251, AC002369, AC006088, AL049776, Z95114, AC007536, AL022320, Z74739, AF045555, AP000359, AC005520, AD000092, AC007666, AC006511, AC004612, AC004972, AC005041, AC005696, AL034420, M89651, AC016831, AC002543, AC008040, AL022302, Z93241, AC004033, AF049895, AF015171, AC006480, AC004448, AC008984, AC006600, AL035422, AC007114, Z83840, AP000512, AP000698, AB001523, Z82190, AL139054, U18392, AC005940, AC005736, AL049759, AP001059, AL109984, AL031594, AC002072, AC004019, AB023054, AC005821, Z97630, AC007014, AC007066, AF107885, AP000513, AP001040, AC006512, AF134726, AC006042, AC006132, AC004263, AC004230, AC005154, Z49235, AL021528, AC005618, AC003962, AC005015, AP000555, U78027, AC005544, Z98050, AC005600, AC005500, AC007243, Z98950, AC002470, AC004673, D84394, AC006539, AC007421, AC003110, AC005722, U80017, AF038458, X54181, X54178, AL031577, U18393, AL096701, AC009509, AC006948, AC006252, Y10196, AC005911,
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HCWHX09	1370	625596	1 - 339		15 - 353	
HCWHX72	1371	849884	1 - 351		15 - 365	T59825.
HCWHX91	1372	723178	1 - 286		15 - 300	
HCWHX95	1373	736004	1 - 260		15 - 274	
HCWHZ18	1374	666452	1 - 329		15 - 343	AI268099, and AI702282.
HCWHZ51	1375	725682	1 - 317		15 - 331	
HCWHZ59	1376	739294	1 - 321		15 - 335	AI525565, AL039783, and AA758552.
HCWHZ83	1377	781186	1 - 128		15 - 142	
HCWHZ89	1378	668670	1 - 144		15 - 158	
HCWKA13	1379	494088	1 - 569		15 - 583	
HCWKA21	1380	670897	1 - 254		15 - 268	AI526203, AI541570, V00116, AF162506, AF162502, AF162504, AF162499, AF162503, AF162505, AF162501, and AF162500.
HCWKA28	1381	466763	1 - 407		15 - 421	AA484648, AA503002, T61555, AP000256, AP000098, U36478, AP000155, AP000014, U91326, AL031659, AC002544, and AC007546.
HCWKA79	1382	574911	1 - 505		15 - 519	AC002040.
HCWKA96	1383	963621	1 - 342		15 - 356	AW183906, AI457975, and AA782016.
HCWKB04	1384	676904	1 - 428		15 - 442	AI299828, N51706, AA936483, R36572, R24933, AI299043, F05240, AI567908, H92474, N51794, AA806500, AA878245, AA482890, AA845639, and AF131763.
HCWKB10	1385	964570	1 - 396		15 - 410	AC004139.
HCWKC83	1386	496385	1 - 138		15 - 152	
HCWKD34	1387	706520	1 - 362		15 - 376	
HCWKF08	1388	959388	1 - 290		15 - 304	
HCWKF28	1389	686655	1 - 327		15 - 341	AI732327, AW327673, AI872229, AA493464, AI754257, AI521019, AI002950, AA132929, AW419201, AI890297, AW338376, AA171400, AW157128, AA218684, AA557945, AI828721, AI572680, AA493546, AI826857, AW243817, AA661583, AI434103, AA584360, AA425283, AI571094, AL039117, AA084320, N26159, AI270280, AA600127, AA570243, AI754926, T34066, N99245, AW085751, W45215, AA557508, AA629668, AA167656, AA807704, T10218, AA601376, AA489390, AI348780, AI520984, AW029626, AI744890, AA430214, AA493245, AA610245, AW020612, AI568262, AI567676, AI732720, AA152398, AA640305, AI889177, AI925588, AI888050, AW129188, AA455202, AI570067, AI275989, AW162762, AA569220, AA535558, R61887, AI734158, AI343986, AI821605, AA287823, R33588, AI609972, AA369465, AA834891, AI620666, AI125143, AI300608, R54095, AW008217, AA340581, AI433952, AW105729, H05066, AA342029, AI086603, AI734193, AA315052, D29424, AA524604.

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HCWKF29	1390	779862	1 - 193	15 - 207	
HCWKGI0	1391	964577	1 - 369	15 - 383	
HCWKH08	1392	959381	1 - 452	15 - 466	AL079894, F31575, AA758244, AL040038, AA665475, AA772873, AL049955, AA775205, AA846046, AA704346, AA553513, AA775973, AI933703, AI418232, AI978713, T60316, AI003391, AA828775, T05617, F30586, AI469468, AA587113, AI627917, AA932787, AA719523, AA077886, AA340534, R51882, AA503019, R92248, AA320060, AA558505, C18083, AI453321,

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HCWKH16	1393	661898	1 - 369	15 - 383	
HCWKH25	1394	678086	1 - 295	15 - 309	
HCWKH36	1395	924191	1 - 287	15 - 301	
HCWKI31	1396	678375	1 - 64	15 - 78	
HCWKI77	1397	920043	1 - 445	15 - 459	
HCWKI92	1398	792689	1 - 466	15 - 480	AI526025, AI541507, AI557804, AI557719, AI526171, AI557741, AI557764, and V00115.
HCWKI23	1399	934393	1 - 464	15 - 478	AL041690, AI471481, AW261871, AA055169, M86143, AA720702, AI903462, AI334435, AA551552, AA594145, AI432270, AA483223, AA559290, AA503600, AW301302, AA503119, AW050498, AI133297, AA747777, AW023990, AA632612, AW406755, AA493708, AI334443, AA992351, AW103509, AI733755, N27329, AA806796, AA828042, AI358229, F29989, AA587667, T41050, AA810269, AA719805, AW083364, AW083402, AA491814, AA326441, AW273218, AI860020, AL119691, AA533303, H78195, AA502107, AI061334, AL042753, AI754336, AI918421, AI002834, AI382614, AA954936, AI801600, AI580652, AA810370, AA577959, F36306, AW062724, AA652057, AA623002, AA834755, AW118338, AL121385, AA503258, AI358812, AW022406, AA478355, AI866856, AI282511, AA496260, AA533725, AA572713, AA573725, AI732179, AA469451, AA503154, AA535661, AI702314, AA644538, AI049634, AW057877, AA483321, AA480784, AA657535, AA610491, AA071393, AA601876,

AA634889, D82290, AA526342, AA714453, AA502104, AA683258, AA640034, AA531079, AI053406, AI053623, AI863054, AA635105, AW193295, AW265385, H46122, AI368256, AA584581, AA581903, AA847499, D82542, AI110688, AA346458, AA653375, AI301700, AI344844, AA934680, T40617, AA568341, AI355206, AA846952, AW075511, AW276710, AA302963, AA779746, AA614070, AI886629, AA468022, AA828749, AI921061, AA302648, AI963720, AI365988, AA652764, AI434706, AA664909, Z78385, AA782272, AA745406, AA601355, AA569471, AI079389, AI951863, AI283911, AL079812, AI924872, H71429, AA577426, AW247819, AA720758, AA487621, AL046457, AA513136, H70994, AI039790, AA834646, AA665021, AA773902, AA533333, AA488746, AA679124, AC005412, U80017, AC020663, AC004098, L78833, AL121603, AF031078, AP000552, AF030876, AC009516, AC002563, X87344, AC007970, AC005031, AP000103, AC002091, AC004216, Z82976, AC013248, AC006132, AL023575, AC005516, AC005901, Z95115, AC005154, AL034555, AC004638, AC005288, AL031257, AC007917, AC007114, AC007051, AP000548, AL096701, U85195, AC006026, AC006539, AL021397, AC004797, AC002549, AL080243, AC003950, X53549, AP000556, AE000658, U66059, AL031682, U34879, AF064861, AC002395, AF010317, AF064863, AP000555, AC006925, AC004159, AL033522, AL109827, AC005696, Z98304, AC005690, AP000557, Z22650, AL136297, AC010072, AP000473, AL049776, AC004662, AL021977, AF088219, AC008126, AL136297, AC010072, AP000473, AL035458, AL008629, AL122021, AC006581, AC006271, AL121882, Z86090, AC005212, AL049759, U18388, AC007237, AF002223, AL031733, AC005821, AC004854, AL022323, AC003664, AL035420, AC007684, AC004259, AC005740, AL133246, AL021453, L44140, AL031650, AC007877, AC005294, AC004813, AC005531, AC004600, AC005324, AC002377, AL021154, AC005197, Z98051, AC005765, AL117330, U35114, AL049712, AC004887, AF165176, AL050348, AC007687, AC007731, AC004149, AC005911, AC005565, AC006130, AB020859, AL020993, AL096699, AL008627, AC005500, L29074, AC006318, AC008101, AL049833, AC007245, AC006515, AC004485, AL035587, AC000085, AP000952, AC004686, AC006211, AC005914, AL031591, Z68869, AC000052, AC000353, AF121781, AC004019, AP000567, M37551, AC005694, AC007262, AL096791, AC004134, AC004447, AL122020, AC005249, AP000248, AF190465, AJ133269, Z97053, AC000075, AC004637, AL031277, AL020997, AC005664, AL008723, AC005678, AC004975, AC010200, AL031120, AL022328, AC005599, AC002040, AF029308, AC005019, Z97181, AL032821, AC004755, AC005015, U91321, AC007226, AP000193, AL031427, AC005005, AC006571, U78027, AC004675, D87675, AC007052, AP000353, Z70049, AC006064, AC005527, AL034379, AC004913, AP000050, AC005279, AC002350, AL133245, AL021069, AC005280, AL034449, AC005829, AC005924, AL109628, AP000311, AC004764, Z82244, AC007207, AL031118, AL049544, AL035070, AL021155, AC007666, AC006370, AC007421, AL035494, AC005231, U82668, AP000117, AC002558, U14708, AC009286, S70707, AC004029, AC006285, Z75889, AL009174, AL035422, AC000118, AL049742, AC016025,				
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HCWK140	1400	861851	1 - 397	15 - 411	T20034, and AL034548.
HCWK160	1401	968112	1 - 364	15 - 378	
HCWK196	1402	571302	1 - 291	15 - 305	
HCWK28	1403	849915	1 - 343	15 - 357	
HCWK31	1404	697974	1 - 155	15 - 169	
HCWK58	1405	849934	1 - 393	15 - 407	
HCWK60	1406	740347	1 - 359	15 - 373	
HCWK88	1407	792086	1 - 246	15 - 260	AA535661, F19258, H72666, AJ886176, AI923140, AW157326, N99715, AW021917, AA340003, AI721122, AA501872, AA167741, AI761471, C18648, AI358229, AA584749, AA133986, AW339687, AW088058, AI439360, AI635272, AA366820, AW406447, AA332991, AI281903, AL120483, T12272, N23649, AI305766, AW261871, AW439558, F29989, H00934, T40338, AA652057, AA649642, AA377730, T40617, AI053786, AA581342, AI365988, AL133723, T16592, AA489775, AA365347, AA508080, AI863283, AA125788, AI742771, AW008317, AI567786, AA569284, AI561116, F31204, AI914706, H18175, F18974, AI571512, AW074398, R93061, AI049634, AA515128, AA515435, AI375710, AW193432, AI284640, H60239, F25276, AA558697, AA363260, AW304584, N71724, H92005, F35659, AA483204, AI110822, AI446464, AA669251, AW276827, AA558227, AA016286, F28576, AI282907, AA973575, AI569086, AA441788, AW193265, T29180, AW337985, AA682189, AI079910, AW130799, AI445436, AW023270, AI802526, AI064864, AI890052, AA743956, AI963786, AI613280, AA181718, AA780929, AL118911, AI493546, AL079645, AI344844, F36273, F37286, AI521901, AA309485, AI471481, AA919037, AL048925, AL042856, AW193512, AA095511, AI963095, AI879000, AW270284, AW327360, AA745410, T58118, F36306, AA443065, AI688846, AA344959, Z84480, AJ246003, AL049836, AL121658, AC002429, AC005386, AC009501, AP000292, AF039905, AC004650, AL109653, Z93023, AC002981, AP000111, AP000043, AC018633, AC006030, AC004808, AL035411, AC002386, AL022147, AL009051, AL008629, AC005901, AF222686, AL034384, AC009405, AL035090, AL035671, AC004903, AL031116, AL132708, AC005158, AC003029, AC005723, AL049647, AL117693, AL109759, AF053356, AC007036, AC004485, AC004655, AL121603, AJ011930, AL049745, AC004453, AL031432, AC004738, AC006152, AC004069, AL109854, Z94044, AC008012, Z94056, AC002067, AL031602, AC008115, AC006347, AC004901, AC005341, AJ006345, AC004070, AC004072, AL133321, AC000085, AC007625, AC006071, AC005597, AL022165, AC004382, Z93242, AF111168, AC005280, U91322, AL033375, AC006482, AC007172, AL031542, AC002369, AF123462, AL022318, Z98036, AC011604, AC006046, AC006111, Z93928, AL049834, AC008008, AC007102, AC004458, AC005829, AL118497, AL035427, AC005183, AC007207, AC007743, AC004822,

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HCWKMN90	1408	960177	1 - 325	15 - 339	
HCWKMN08	1409	959380	1 - 270	15 - 284	
HCWKMN57	1410	861537	1 - 398	15 - 412	AA053759, AI452726, AA724782, AI275071, T08298, AA582073, AA953238, AI811302, AA584526, AI147425, AI635247, AI310873, AI345366, AA047715, AI174766, AI921328, N71746, AA758366, AA581329, Z22942, AA654318, AI445088, AA702729, H52562, AA679511, AA741028, AL040170, AI268334, AI268336, C18993, W56883, AA126450, AL138128, AA292178, AW118442, W92132, AW277171, T47909, AA236903, AL036037, T11828, AI913370, AI349849, AW168420, AA683238, AA757775, AI732223, AW128884, AL119691, AW128900, AI732154, AA847181, AW021917, AA857428, AI037952, AL044286, AI590485, AL037383, AA219059, AA487272, AA350349, R02522, AA484373, AI207846, T89952, AA513188, Z22633, AI283456, AA872990, AW021583, AI371429, AA464976, AA454041, T65779, AI094315, AA600869, AI023637, AI136649, AI135377, T61573, AC007036, AC004080, AC004595, AP000301, AP000114, AP000045, AL035403, AC003024, Z95116, AC006195, Z97987, AC004816, AC004912, AC003687, AC004531, AC006037, Z83001, AC010206, AC002319, AC005670, AF110527, AL022333, AL022314, AC006928, AP000346, AF036405, AC004975, AP000495, AC007226, AC009516, Z82190, AC004811, AL122020, AL049781, AL050402, AR038761, AP000253, AP000252, AP000213, AP000135, AC007030, AP000031, AC002381, AC005495, AL031734, AP000298, AF020662, Z75746, L34079, AF039907, AC004196, AC004156, AC000393, AC005387, AP000390, AP000745, U07562, AC005903, AL121588, Z72001, AL035652, AF190641, AL109827, AP000044, AP000113, AP000162, AP000065, AL050341, AL031776, AF191069, AC004068, AL031447, AI239321, AC005887, AL034417, AB001523, AL049694, AL034561, AF207550, AL033377, AC004848, AP000697, AL035246, Z82215, AL035423, AL049636, AL024498, AL050403, AC004695, AC007358, AC005088, AC007879, AC002350, AC007065, U91318, AC002449, AL135783, AC012152, AC005871, AC006040, AC007707, AC005971, AC007298, Z69666, AC007162, AC003090, AC006146, AL031116, AC005668, AC005972, AL121823, Z84718, AL117354, AC008064, AC007917, AC005323, AC005919, AD000833, AP000292, AL049795, AC007099,

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HCWKO51	1411	959684	1 - 482	15 - 496	T65671, AC003030, and AC004539.
HCWKO82	1412	827083	1 - 314	15 - 328	
HCWKP03	1413	924104	1 - 318	15 - 332	F30824, AI198292, AC004742, Z97053, AC005391, AP000044, AP000112, Z84466, AL050332, and AL050318.
HCWKP51	1414	725653	1 - 333	15 - 347	
HCWKP53	1415	664923	1 - 296	15 - 310	AL022161.
HCWKP56	1416	849861	1 - 386	15 - 400	
HCWKP63	1417	732447	1 - 323	15 - 337	
HCWKQ31	1418	849851	1 - 533	15 - 547	AA584765, Z85986, AC004032, AL022330, AP000462, AB017654, AP000511, and U91323.
HCWKQ55	1419	706487	1 - 406	15 - 420	
HCWKRI3	1420	917268	1 - 309	15 - 323	N23693, AA227713, AW304519, N23689, AI054395, N23688, H48670, T05410, AA588242, AA223762, AI537310, AI355513, AW263396, AA736445, AC009247, AC005019, AL096701, AL031291, AC004659, AC002381, AL078638, AL132987, AC004878, AC006101, AL139054, AC002059, AC018633, AC005874, AF134471, AC005839, AC005184, AC005295, AC006211, AL117258, AC005095, AC002470, AC007308, AC002350, AF001552, AC003074, AC010077, AP000512, AC007774, AC007406, AC005988, AC008044, AC005089, AC006948, AC005316, AC002544, AL031054, AC004383, AC004522, AF109907, AC005317, AC006241, AC004966, AC006552, AC004236, AC007161, AL109628, AC002086, AC006480, AC005071, U40369, AC002551, M13792, AF003626, AC006088, AL096763, AC007677, AL022334, AC005519, Z95331, and AF207550.
HCWKR80	1421	527074	1 - 384	15 - 398	
HCWKS13	1422	657194	1 - 299	15 - 313	AW271211.
HCWKTI1	1423	966989	1 - 355	15 - 369	AI244254, N22058, AA715418, AA955031, AL078472, AP000023, AC004106, AF003626, AF139813, AP000555, AC004858, AC005277, AL139054, AL022163, AC004228, AL031311, AF109907, AC005972, AL031594, AF129756, AC005666, AC004878, AC004491, AL122020, AL049872, AC005971, AC008119, AC004983, AC006064, AC006111, AP000501, AL033392, AC005288, AL049780, AC004622, AC004913, AC002316, AC005844, AC005829, AL009179, AC005778, AC003025, Z84483, AC004408, AC000085, AC004678, AL109758, Z84467.

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HCWKT43	1424	659539	1 - 230	15 - 244	
HCWKT57	1425	881629	1 - 331	15 - 345	AC006014, AC005488, AL049869, U29895, AC005529, AC008372, AD001527, AC005081, Y18000, AC007225, AC005011, AL021155, AC002544, AF111167, AC004526, Z85987, AC006538, AC002470, and Z98949.
HCWKT63	1426	849944	1 - 463	15 - 477	
HCWKV68	1427	959801	1 - 241	15 - 255	
HCWKV77	1428	527554	1 - 388	15 - 402	
HCWKV85	1429	932540	1 - 373	15 - 387	
HCWKX13	1430	466512	1 - 393	15 - 407	AA694449, AA568961, and AL031602.
HCWKX61	1431	676895	1 - 400	15 - 414	
HCWKX68	1432	725014	1 - 345	15 - 359	AC007463.
HCWKX77	1433	772163	1 - 405	15 - 419	
HCWKX81	1434	724873	1 - 437	15 - 451	
HCWLA68	1435	665744	1 - 291	15 - 305	
HCWLD01	1436	916439	1 - 691	15 - 705	AI476149, AI476150, AA310216, H90114, AA742815, AA904211, AA468371, T50676, AA468505, AA230025, AA614254, AA228368, N73060, AI050760, AI572680, AA188423, R33091, AI281561, AA224889, AI457313, AI634187, AW069227, T03928, AI431513, AI917132, AA584756, AA302978, AW304637, AI679221, AA171892, AA135761, AI310992, AI300818, AW243808, F29968, AI601229, AA228269, AI628859, AI884522, AA654763, AA728911, AA525753, AW340905, AI583142, AI754653, AA017149, AW028376, AW068008, AW068007, AA297776, F17537, H84412, AI277318, AI271762, AA077776, AA278496, AA493628, AA492524, AI635440, AI473995, AA206707, AW069537, AA557945, AA573062, AA587826,

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HCWLD06	1437	935392	1 - 439	15 - 453
HCWLD30	1438	933118	1 - 419	15 - 433

AA857812, AA568204, AI061313, AW242031, AI679759, AI984168, AI623764, AW103758, AW265688, AI962030, AA847704, AI355246, AI633168, AI040051, AI653776, AI890046, AA489390, AI572680, AI815210, AW103030, AI431513, N23097, AA468956, AA507499, AA463590, AA558366, AA728911, AW082104, AA904211, AI696878, AA664604, AI148404, AI079901, R44593, AL037910, AI362442, AA158023, AI927275, AI445216, AA599080, AA610381, AI733856, AA582554, AW274078, AI859438, AI357976, AA513916, AA120920, N67313, AA424249, AA558488, AA609834, AW167154, N23913, AW023270, AA572983, AL044966, AA584484, T50676, AI245693, AW189068, AA176604, AI267356, AW026305, AI282479, AI278972, AI421950, AW408767, AI419337, AI598003, AI446623, H47736, AI285696, AI590593, AI119691, H60912, AI590404, AW068853, AI961983, R52008, AW302709, AI830390, AI053673, AA600202, AI417469, AL049694, U95739, Z82214, AC005029, AP000359, AL034417, AC005004, Z98048, AC005231, AC007055, AC003041, AC005043, AF165926, AC007308, AC005089, AC002470, Z99716, AL031283, AL132777, U85195, AL034420, AF196779, Z83847, AC003101, AE000658, AC005726, AP000514, AC005755, AC004526, Z83844, AL049795, AC002316, AL022721, AC006441, AP000114, AL133246, Z93241, L44140, AC002314, AF111168, AC004797, AD000671, AC007536, AC005696, AL034379, AL033525, X55448, AL035587, AC005071, U80017, AC003029, AC004757, AC005261, AP000555, AP000553, AC006530, AC005962, Z97054, AC004760, AB014078, AC005730, AL031255, Z98044, AC002472, AC000025, AC005015, Z93020, AP000046, AP000008, AC004895, U91318, Z93017, AC007160, AL031659, AP000557, AC007193, AC020663, AC006252, AL049776, AC009516, AC004150, AP000509, AC003080, AC007664, AL031277, AC007376, AF019413, AC005399, AC000041, AC002563, AC006111, AL020995, AC005920, Z93023, U78027, AC003007, AC005844, AC004832, AL031767, AL035417, AF129756, AC006014, AL080243, AC002477, AL117694, AL121653, AL049760, AC004814, AL035422, AL031681, AC005940, AC005544, AL049829, AC005324, AC005624, AC005907, AC005280, AC004622, AL078593, AF045555, AL021154, AC016025, AL117337, AC006121, AC005921, AC005145, AL022336, AC004878, AC002351, AP000556, AF196969, AC003043, AL031589, AC005971, AF205588, AC004253, AL024507, AC006057, AC004491, AL022165, AC006141, AL121655, AC007371, AC006146, AL096701, AC007216, AC005409, AC005332, AC006511, AL020997, AC002996, AL031295, AL022313, AC008071, AC007283, Z95152, Z85986, AC006285, AC003992, U91322, AC005081, AC007436, AF038458, U91326, AC004967, AC005899, AC005775, AC004821, AC004099, AC004796, AL008710, AC006116, AC008018, AC004653, AP000050, AL035460, AC002425, AC002288, AC002480, AL024498, AL023575, Z93930, AC007011, AL034549, AC007199, AC004983, AL133448, AL009181, AP000472, AP000117, AC004765, AL021453, AC016830, AL050321, Z84476, AL117351, AC002350, AC006251, AC005881, AP001053, AL133245, AL008730, AC004659, AL031289, AC004913, AL121595, Y14768, AP000011, AP000159, AC006160, AC004596, AC006449,

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HCWLD83	1439	728219	1 - 304	15 - 318	
HCWLE11	1440	880982	1 - 399	15 - 413	AI431966.
HCWLE34	1441	576816	1 - 416	15 - 430	
HCWLE37	1442	960093	1 - 400	15 - 414	AC004687, AB014512, and AF039571.
HCWLE46	1443	719247	1 - 516	15 - 530	
HCWLE57	1444	764189	1 - 471	15 - 485	
HCWLE64	1445	745863	1 - 300	15 - 314	AA837796, AI521042, AA666066, AI587565, AI587583, AF141309, AC007227, AL020997, AC005231, AC006597, AL096791, AC005972, AC004686, AL021546, AC007845, AC003035, AC016025, AC004703, AP000359, Z93023, AL117328, AC004263, AL009181, U96629, AP000355, AC005015, AL034553, AF061032, AC004796, AD000812, AP000354, AC004041, AC003110, AC006344, AC002091, AC002126, and AL031672.
HCWLE95	1446	684331	1 - 175	15 - 189	
HCWLH02	1447	853014	1 - 688	15 - 702	AL038842, AI049630, AI733856, AA491423, AA528566, AA525517, AI886360, AI707744, AA508873, AI243793, AA857381, AA513189, AA765925, AA283081, AC007055, AC004804, AF019413, AL031848, AC005548, AC007193, Z75407, AL031678, AC007537, AL121658, Z98742, AC008101, AJ246003, AC005387, AC004738, AC004491, AC008079, AC005746, AL117354, AC005696, AL121603, AL021155, AC005562, AL035405, AC005409, AL031228, Z84480, AF134726, AC004020, AC005057, AL035089, AC004033, Z95152, AL031295, AC005058, AC005358, AC005015, AC007011, AC005899, AC007160, AL133448, AP000689, AC005180, AB023048, AC004605, Z83846, AC002369, AC004686, Z82176, AC005231, AC004859, AL109628, AP000497, Z93017, AC002316, AC004830, AC005859, AC007283, Z97630, AC005520, AC003029, AC006001, AC005209, U62293, AC002352, AC006271, AF118808, Z75741, AC005620, AL031311, AL121757, AC004797, AC006211, AC002302, M17262, AF124523, AC009069, AL031685, AC004254, AL132712, AB003151, AP000704, Z96074, AC002351, AL109984, AL008719, AC004673, AL109827, AP000556, AC020663, AL031666, AC005529, AL031276, U96629, AC004477, AL031846, AP000692, AC005071, AC002418, AC006120, AC004883, Z95115, AC006026, AL133163, AC003093, AL034548, AF126403, Y07848, AC005740, AL021707, AC004476, AL034423, AC009516, AF111168, AL008631, AF015720, AC003982, AC002299, AC006111, AC007731, AC006285, AC003007, AC005500, AC006077, AL021453, Z82215, AC000026, AC006057, L78810, AL049760, AC003110, AC004531, AC005695, AC004386, U72788, AC006449, AC000353, AC004099, AC006160, AP000500, AC004966, AL008635, AC004856, AL121655, AF139813, U95742,

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HCWLH09	1448	625558	1 - 517	15 - 531	
HCWLH20	1449	529356	1 - 336	15 - 350	
HCWLH42	1450	954875	1 - 677	15 - 691	AI791227, AA524604, AI708424, AI141202, AI628922, AL134669, AA663579, AI572680, AA504951, AI791720, AI791408, AL079869, AL119331, AA595370, AA577824, AA454870, AI708663, AW021674, AA723282, AI732327, AI828721, AW238137, AA640305, AI753969, AI745666, AI732720, T59943, AI174827, AW022796, AI889177, AI003086, AI049999, AI890297, AW338376, AA171400, AL042539, AI310464, AI434103, AA601712, AI733523, AW248479, AA218684, AW008217, AI860423, AI734119, AA084320, AI312614, AL044966, AI344906, AI270280, AA569220, AI148840, AI254267, AA643788, AA199578, AI221027, AI884404, AA652675, AW275432, AA330549, AW157128, AL044701, AA629668, F25759, AI872229, H64858, H64884, AW338633, H59797, AI679902, AI925423, AI679394, AI678812, AL036896, AA284638, AI884763, AA618531, AA554289, AI567676, AI678468, AI038029, AA525818, AA470490, AA834891, AI281622, N70293, T03576, AI963816, AA493546, AL133238, U91321, AB001523, AC005288, AC004703, AC004752, Z84474, AC006130, AL021940, AC006581, AL035086, AL021391, Z97054, AC007537, AC005412, AL008582, U80017, AF134726, AC005971, AP000692, AC008372, AC005358, AL132777, AL031587, Z84466, AC005519, Z98051, AL022315, AP000512, AL122020, AC005484, AP000099, AC006162, AF111168, Z82198, AC002310, AF118808, AP000365, AC003982, AL031846, AL031666, AC007226, AC002312, AP000036, AC004125, AC005585, AL121603, AC005180, AC004966, AC008044, AC006197, AC004816, AL049776, AC007878, AP000555, AC006254, AF053356, AC005899, AC004638, AP000503, AC005839, AC005747, AC006121, U63721, AC005829, AC006453, AC009516, AC007376, AC002418, AC004821, AB023051, AL049694, AJ246003, AC005326, AL078593, Z82201, AC004913, AC004890, AC005291, AC007227, AL022323, AC005837, AL031283, AL022165, Z97053, AC005527, AC005280, AL080243, U78027, AC005261, AL031670, AC004832, AC005031, AC005015, AL049759, AL121595, U85195, AC004999, AC007686, AC005529, AC004386, AC007421, AC005666, AL031427, U52112, AL022316, AC005911, AC006511, AC004552, AC005409, AL022163, AC006277, AC006026, U62293, AE000658, Z83840, AC005399, AC006538, AD000092, AL031311, AL034549, Z98200, Z93017, AC006241, AF111167, AC005932, AL049869, AL096701, AC003665, AC006530, AC004796,

HCWLH75	1451	670202	1 - 232	15 - 246	<p>AC002429, AL035422, AC005696, AL035455, AP000359, AL022476, AF088219, AF107885, AC007688, AL034420, AC005037, AC002375, U91325, AC006312, AL035460, AL009181, AC002377, AC005377, AL121655, Z98044, Z98048, AB003151, AC007193, AL008718, AC004659, AL022238, AC004805, AC007934, AC005632, AL049757, AC004673, AC007546, AL121653, AL117258, AL132712, AC016025, U62317, AC005553, AC005531, Z82208, AC006449, AL139054, AC005231, AL022326, A1003147, AF111169, AC004702, AL109952, AC005755, AL022336, AC004671, AC006057, AC005089, AC007051, AC004228, AL035587, AL035659, AC005920, AC004997, AC002477, Z98742, AC006040, AC006344, L78833, AL133448, Z99716, AC003025, AC005907, AC004929, AL020997, AJ251973, AC004883, AC005355, AC006509, AC000379, AL050307, AC005057, AP001065, Z95114, AF109907, AP000279, AC004895, AL021707, AF139813, Z83844, AC005730, AC004812, AL023807, AC004263, AC003041, AP000553, AC006006, AC004662, AL024498, AC004150, AC003966, AL031003, AL050317, AP000556, AL035072, AC006001, U47924, AC006120, AL031286, AR036572, U91328, AC006211, AP000350, AC005722, AC007151, AC003957, AC003043, AC007160, AC004859, AC004967, Z92542, AC004491, AC004019, and AC007690.</p> <p>AI884861, C16780, C16638, AI267356, AA224525, AW270429, T02817, AI267450, AW270351, AI859906, T07225, AI084157, AW062363, AA706160, T08386, AA121784, H47368, AI002389, AI690474, AA730336, H38228, AL044177, N38991, AA526401, AI469392, AI889426, AI791227, AI732911, AA995373, F35684, AI984118, F30497, AA078509, AA652763, N29930, AI143653, AW019964, AW342143, N64577, AA598605, AI860535, AA857812, AA186905, H25626, AI537800, H83126, AW104831, AI888298, AI279477, AL021154, U02052, AP000432, AC005940, AL096701, AC005288, AC006130, AC006019, AF124730, AL117354, AC000026, AC004234, AL035695, AC009247, Z93930, AC005740, AL031670, AL031846, AL022165, AC007386, AC006965, AF196972, Z84480, AL022320, AC006255, AC004531, AC006930, AF020503, AP000501, AC004941, AC007283, AL078638, AF001549, U95742, AC005822, Z93016, AC006146, AL022316, AL033527, AL031277, AC007216, AL132712, Z97184, AL031664, AC007388, AC000092, AC006285, AP000466, AC005746, AC002316, AP000555, AC006539, AL034420, AC002059, L47334, AC000052, AC016025, AC005618, AC007376, L48038, AL035072, AF172277, AC002368, AP000550, AC006251, AL023281, AC004973, AL034553, Z83826, AC004967, AL022313, AF047825, AC004019, AC005488, AC005856, AC006538, AC005251, AF196779, AC005154, AC005004, AC006241, AL050348, AC005696, AL035455, AL022323, AL008583, AC004879, AC005911, AF111167, AP000557, AL008582, AC006236, AB023048, L78833, AL110279, AL049830, AC006529, AC000353, AC004020, Z97635, AL034451, AL031311, AL049758, AL035086, AC003965, AC002425, AC003689, AC004799, AL121603, AC005519, AC007358, AC004491, AC007193, AL034369, AC006946, AC008018, U95740, M17262, AP000349, AC007066, AF064863, AL022326, AC006441, AP000553, AC007690, AC002326, AC005913, AC004448, AC005399, AL109657, U91321,</p>
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HCWLH78	1452	935908	1 - 354	15 - 368	AF161019, and AF131890.
HCWLH79	1453	959458	1 - 433	15 - 447	
HCWLH80	1454	577886	1 - 387	15 - 401	
HCWSB09	1455	923573	1 - 235	15 - 249	T06288, AI568754, T51118, AA626678, AI160117, T58567, AA347927, AA633892, AI439360, AA515224, AI872227, AI874231, AC006333, AL008721, AC006975, AC003041, AL035681, AL034351, AC007676, AC006026, AL031657, AC005754, AC000052, D84394, AL096701, AC004019, AL021155, AC007637, AL118497, AL049697, AL080243, AC003982, AC002433, AC004972, AC005778, AC000003, AL022238, AC004890, AL021878, AP000313, AL021808, AC005023, U95740, AL049869, AL035072, AL022316, AP000050, AC021092, AC007064, and AF148319.
HCWSB30	1456	771897	1 - 496	15 - 510	AI914747, H06604, AL096701, AC004491, AC007055, AL023807, AC002559, AC007308, AC002470, AC005632, AC004834, AC004099, AP000344, AC012384, AC004967, AC003071, AC005089, AC003982, AC005189, AL031685, AC005915, Z93017, and AC006441.
HCWSB65	1457	728360	1 - 326	15 - 340	AC007536.
HCWTA02	1458	919258	1 - 341	15 - 355	
HCWTA59	1459	531422	1 - 221	15 - 235	
HCWTB01	1460	861850	1 - 358	15 - 372	AA135868, H73889, AA569179, AI281401, N55456, R48980, AA652949, AA302934, AL041895, AI364568, AA643770, AI800852, AI292317, R35259, H24957, AA247731, H66021, H58970, T06292, AA278496, AL037006, N74027, AA320232, AL036665, AA558487, AA856817, AA504865, AL080317, Z99128, AL034551, AC009223, AC008041, AD000813, AP000502, AF134726, AF126403, AC002116, AC002465, AC004139, AC004257, AL049569, AC003108, AC011331, AC004921, AC007388, AC004883, AC006392, AL031650, AL118516, AC006511, AC005488, AL035682, AL050321, D84394, AP000509, AF196969, Y10196, AP000135, AL121655, U80017, AC008134, AC006273, AC004185, AP000031, AC007878, AC004655, AC004914, AF030453, AC006088, AC004970, AC004671, AD000812, AL050318, AC005088, AL022324, U47924, U63721, AC000379, AL133245, AC007066, AL022315, AC005726, AC005324, AC000086, AL133243, AL031278, AC008044, AC005255, AC002126, AF024534, AC005480, AC020663, AL121653, AL031597, AL009051, AL049759, AC005578, AL008715, AC007360, AP000109, AP000041, AP000044, AP000112, AC005251, AF111168, AC006025,

					Z98052, AL132777, AC005017, AL022163, AP000065, AL035405, U91325, AL096678, AC007226, AF019413, AP000687, Z54072, AC006047, AL031347, AP000513, AC005746, AL034420, AC009510, AC007993, AL022323, AC006509, AC002312, AC005200, AC005332, AC007350, AC004079, AC005049, AC002522, AC004461, U78027, AL035422, AC005277, AC005921, AC005899, AB022785, AC005081, AC004144, AL079342, Z93020, AC005952, AL022330, Z72006, AC005015, AC005544, AL078581, AL117354, AC002558, AC003013, AL049830, AC004228, AC003681, AP000555, AL031311, AP000303, AL031659, Z85986, AC005031, M87889, AC004999, AC005790, AL035088, AC007666, AC006965, AC005089, AF190465, AC005796, AL023803, AC006117, AL034548, U62292, AC004983, AL033521, AL133448, Z96776, AC002314, AF045555, AC004967, AC005670, AC004854, AL031846, AC004477, AC005071, AC004770, AC005747, AC002364, AP001172, AL049749, AL109984, AC005911, AC005300, AC005619, AF152365, AL031774, AC004542, AC004596, AC007011, AC007055, AC004033, AC003950, AC006515, AC006254, AL049856, AC004865, AC007731, Z98744, AC002302, AC002036, Z68323, AC004891, AP000564, AP000353, AL022313, AL109613, AC005519, AC004526, AC005969, AC002540, AC006138, AL035413, AC006146, AC005102, AC006261, AC004851, AL049780, AL110502, Z75407, AP000688, AL050350, AC004966, AC004651, AL246003, AP000347, and Z98044.
HCW/TB08	1461	920509	1 - 317	15 - 331	AL657485, N83963, N87188, N83707, AC006993, AF045432, U48697, AJ243486, U48696, U39066, AR018815, AF102850, AF001863, AF061744, AF011573, X99056, X99052, Y16299, X99058, X99051, X99055, X99060, and X99057.
HCW/TB11	1462	965024	1 - 328	15 - 342	
HCW/TB13	1463	861029	1 - 347	15 - 361	
HCW/TB14	1464	657621	1 - 315	15 - 329	
HCW/TB25	1465	677748	1 - 429	15 - 443	
HCW/TB31	1466	697615	1 - 465	15 - 479	AL045970, AF034803, and AL049694.
HCW/TB33	1467	702129	1 - 543	15 - 557	AI341548, AA167659, AA716348, AI798489, AA490183, AW274346, AI345654, AW419262, AI613280, AW193265, AW438643, W47183, AI350211, AI341664, AA446657, AA577906, AA551503, AI375710, AA719805, AI688846, AA973803, AA350859, AA599920, AW193432, AA649642, AA483223, AL121385, AI754658, AA486414, AI792518, AW408707, AA601222, AI962050, AA586458, AI061334, AA970213, AI619997, AW118338, AI002834, AI814735, AW080134, AA828712, Z97196, AC002470, AP000045, AC003957, AC006946, AP000501, Z94277, AC007685, AL049569, AC002531, AC004966, AC007274, AC002347, AC005295, AC005291, AL022315, AC005632, AL023575, AL049795, AL049712, AL035659, AC007191, AC007919, AC002430, AL031666, AL008718, AC005696, AL121748, AC007014, AC000353, AC006241, AC004019, AL133371, AC007384, AL008627, AC018769, AC009247, AC005231, AL080243, AC005900, AC005746, AC004987, AC004884, AL096701, AC005393, AC004584, AC007151, AC007128, AL050342, AP000113, AC005778, AC008372, AC003007, AR036572,

					U91328, AL031123, AC005004, AL121603, AC004895, AC008059, AF045555, AC006006, AC007387, AL022163, AC007666, AC005899, Z98744, AC007298, Z69917, AC004972, U95742, AC005037, AL133304, AC006153, AL022323, AC003977, AL035455, AF200465, AC008079, AC005754, AL122021, AL049709, AC006344, AL135744, AL031257, AP000140, AL034351, AL139054, AL035411, AC004814, AC007564, AC005261, AC005784, AL022316, AC005081, AF067844, AC005971, U91321, AC005871, AC004859, U63630, AC007216, AC005071, AC006501, AL049766, AC007676, AC005859, AC004453, AC005839, AC004448, AC004765, AL117258, AC006211, AC008115, AC005209, AL109865, AC004522, AC007308, Z98051, AP000088, Z73967, Z98200, AC004815, AL023494, AP000065, U18399, AC005089, AC003072, AC005944, AC006449, AC002385, Z68284, AC007225, AC002307, AC004029, AP000459, AC008134, AC004167, AP000117, AL049759, and AC002310.
HCWTB36	1468	529499	1 - 405	15 - 419	
HCWTB38	1469	732440	1 - 340	15 - 354	
HCWTB56	1470	853009	1 - 474	15 - 488	
HCWTB65	1471	861848	1 - 401	15 - 415	
HCWTB77	1472	771887	1 - 434	15 - 448	AC005045.
HCWTB83	1473	730832	1 - 365	15 - 379	AC004963.
HCWTF05	1474	849954	1 - 304	15 - 318	
HCWTF11	1475	966513	1 - 734	15 - 748	
HCWTF19	1476	668358	1 - 353	15 - 367	
HCWTF72	1477	760898	1 - 349	15 - 363	AL679759, AA313133, AA548692, AI065043, AA968509, AI362442, AA092862, AA128969, T60940, T39390, AI624990, AI620548, F00211, W44359, AW029574, AA904211, AI143653, AI289050, AI284092, H25626, AI254508, AI251696, AA302812, AA564256, AA598608, AW054936, F25640, AA814719, AA515929, AL042869, AA021139, AA557984, AA728911, AA857812, AA779018, AA132929, AA633565, AA457482, N57709, AA437402, N73060, AI917053, AI341664, AA700481, AW029269, AI560054, AW080772, AC006241, AC005755, AC004626, AC007066, AD000092, AC007055, AC009399, AI049636, AL031056, AL049643, Z92540, AC007376, U62317, AC005081, AL049779, AC002350, AC010170, AC005180, AC004832, Z98949, AC004686, Z92541, AB009666, AC004938, AC009181, AC005015, AL021393, AL049540, AC004623, AL117355, AC005920, AL035683, AC005071, AC007151, AC016026, AC004983, AL117330, AP000553, AC006285, AC002088, AC005993, AC008064, AC005826, AC005751, AC009721, AC005065, AL049871, AC007041, Z98304, AC007421, AC010582, AL034549, AC004383, AC008000, AC005829, AC022517, AL049780, AL022329, AL008582, AP000692, AC006236, AC005690, AL022165, AC005599, AB015355, AL021407, AL022316, AC002073, AC005291, AC007541, AC006127, AC002563, AL035659, AC006388, AC008124, AC006121, Z98052, AC006539, AC006277, AC006966, AC005231, AC005736, X51956, AL022396, AC000003, AC007938, AL031315, AC002558, AC006323, AC005666,

							AC007766, AC005874, AF134471, AC002476, AP000495, AC005102, AC006077, AC005519, and Z82215.
HCWTG01	1478	915863	1 - 451			15 - 465	T09124, H29110, AC007239, and AL117258.
HCWTG15	1479	659860	1 - 539			15 - 553	
HCWTG26	1480	681271	1 - 542			15 - 556	
HCWTG30	1481	954579	1 - 184			15 - 198	N83963, AI657485, N87188, N83707, U39066, U48696, AF045432, AI243486, U48697, AR018815, X99056, X99052, Y16299, X99058, X99051, AF102850, AF001863, AF061744, X99055, AF011573, X99060, and X99057.
HCWTG44	1482	657911	1 - 559			15 - 573	
HCWTG45	1483	662482	1 - 372			15 - 386	
HCWTG60	1484	740078	1 - 372			15 - 386	
HCWTG66	1485	754823	1 - 426			15 - 440	
HCWTG77	1486	924107	1 - 292			15 - 306	H54210, AA594169, T94094, T94176, AI445316, AI762836, AA601422, AI821390, AA054639, AC004263, Z99943, U95740, AL021546, AC004596, AC005412, AL132777, AC005372, AC018769, AC002091, AC006441, AL021394, AC005696, AC008372, Z85987, AL022476, AL008726, Z97200, and AP000556.
HCWTG81	1487	773341	1 - 339			15 - 353	
HCWTI25	1488	669935	1 - 421			15 - 435	
HCWTI33	1489	701757	1 - 321			15 - 335	
HCWTI38	1490	576883	1 - 355			15 - 369	
HCWTI44	1491	689971	1 - 384			15 - 398	
HCWTI47	1492	720023	1 - 341			15 - 355	
HCWTI54	1493	723080	1 - 263			15 - 277	
HCWTJ01	1494	915878	1 - 322			15 - 336	
HCWTJ50	1495	724072	1 - 297			15 - 311	
HCWTL24	1496	676906	1 - 311			15 - 325	
HCWTL25	1497	598511	1 - 428			15 - 442	
HCWTL51	1498	725482	1 - 425			15 - 439	AA493760, AA494202, AA362037, R10297, AC003003, AC004084, AC003669, AP000344, AC004967, and AC003010.
HCWTL52	1499	573539	1 - 321			15 - 335	
HCWTL58	1500	697623	1 - 380			15 - 394	
HCWTL69	1501	960597	1 - 440			15 - 454	AW393605, AI526146, AI541503, AI526179, AI557778, AI541501, AI526154, AI541531, AI541493, AI526185, AI557718, AI557740, AI557747, AI541516, AI557797, AI541487, AI557735, AI557779, AI541515, AI526178, AI541489, AB010555, V00124, V00125, J00036, J00037, J00034, J00030, J00038, J00032, and K00133.
HCWTL78	1502	760707	1 - 217			15 - 231	AC004539.

HCWTL85	1503	836155	1 - 426	15 - 440	AA635433, AA302982, T71936, AI249688, AI653525, AA515742, AA603264, AI049643, AA015948, AI587349, R70883, AI245679, AA368659, F31867, AA568204, AA570740, AA483606, T07878, AA229988, T49933, AI198718, AW051819, AA550959, AI289505, AA229159, AW304699, AI038304, AA809153, AA661948, AA516206, AI754567, AI569100, AW192599, N28624, AI754105, AI755214, AI821805, AW028950, AW188742, AW243945, AI791659, AI821056, AI080307, AA666295, AA167293, AA936718, AI792092, AC004216, U91321, AI124731, AC005358, AC002395, AC003070, Z98941, AF111168, AP000513, Z84469, Y10196, AL049776, AC007637, AC004859, AL021394, AC003037, AC004562, AC004913, AL022721, AC004686, AC006479, AF030453, AL049569, AC004765, AC005972, AL022238, AC005251, AC004382, AF001552, AF067844, AC005031, AL035090, AC005212, AC005049, AP000510, AC003954, AC005921, AL021918, AC005231, AC005632, AC007308, AC004832, AC003007, AL049760, Z82244, AF029308, AL109758, Z85986, AF109907, AC004159, AP000501, AC004694, AC005899, AL031431, AC005815, AL080243, AC006455, AC003665, AF196969, AC009509, AC006077, U80017, AL133243, AC006430, AC006050, AC006487, AC006449, AL023575, AC006026, AL121658, AL049709, AC005192, AC005015, AC005081, AL031255, AC004491, AL133245, Z98950, AL121653, AC004020, AL035455, AC007934, AC005325, AC004620, AC004383, AC002312, AL034429, AL109798, AC004816, AC006581, AL031848, AL049694, AC005562, AC006372, Z82198, AC004890, AL034423, AC004797, AC007437, AC004526, AC003990, Z98743, AC005913, AF130343, Z99716, AC005274, Z98036, AC003009, AL031733, AL109827, AL049795, AL031575, AL033530, AC006211, AC007731, Z82181, AC005070, AC007687, Z85996, AP000116, Z98946, AC007899, AC004865, AL109627, Z93020, AC004583, AC005696, AC009721, Z97053, AL031311, AL031681, AC002429, AC004783, AC007388, AF049895, AC005754, AC005160, AC005288, AL035400, AC004477, AL050318, AC007690, AC000379, AC002558, Z97195, AC005412, AC004584, AC004662, AC005901, AL132777, AC005088, Z97054, Z95152, AC002565, AC007617, AC004998, AC005089, AL023553, AP000694, AL049712, AC005829, AL133353, Z99496, AL031121, AC005189, AP000065, AC006007, AC004019, X87344, U80460, AL022336, AL139054, AC002350, AC002044, AL035684, AC006965, AL049872, AC006571, AC009294, AC002347, AC006006, AL139165, Z82188, AC009247, Z84466, Z98200, AC005900, AC003992, AC008134, AB003151, AC003101, AC002059, AC004990, AC007052, AC006120, AC005500, AC005881, AC006060, AC005920, AL034549, AC005225, AC009946, AC007065, AB026898, AL121754, AC005695, AC007533, AC005291, AC020663, AL135783, AL022163, AC005736, AJ010770, and AL031286.
HCWTM16	1504	661569	1 - 378	15 - 392	AA852413.
HCWTO06	1505	934912	1 - 347	15 - 361	AA666332, AI287475, H72530, AA640410, AA640430, H93453, AI049508, AI366993, AA536016, AW020893, AA478355, R99851, AW360845, AW376931, AI873852, AA679936, AA704393, W52505, AW168420, AI783581, AI732120, AA680243, R98221, H70076, AI110595,

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HCWTO29	1506	660457	1 - 398	15 - 412	
HCWTO35	1507	706525	1 - 379	15 - 393	
HCWTO52	1508	726444	1 - 425	15 - 439	AA843187.
HCWTO60	1509	681257	1 - 193	15 - 207	
HCWTP13	1510	656678	1 - 361	15 - 375	
HCWTP22	1511	674158	1 - 420	15 - 434	

HCWTP76	1512	731438	1 - 515	15 - 529	Z25525, and Z25531.
HCWTP77	1513	529346	1 - 399	15 - 413	AL035443.
HCWTP90	1514	788663	1 - 380	15 - 394	AA410788, AW130427, AA714011, AA583394, AA644090, AI923052, N23504, AA610509, AA574442, AW148507, AI753113, AW023111, AA191418, AI085867, AL040054, AI123396, AA603530, AA449997, AI962030, AI066646, AW238253, AL037910, AI370475, AA533408, AA659232, AI056177, AA659535, AA601327, AI251576, AA578621, AI278972, AI587583, AI587565, AI908093, AA630672, AL037632, AA833896, AI821987, AA714110, AI732869, AI086603, AW302711, AA579427, AI583466, AA833875, AA526683, AA557982, AA847508, AA702729, AA715814, AA570588, AW188427, AA526326, AW190302, AI279417, AA613624, AI016704, AI755202, AA629540, U48696, J00083, M37468, AF031078, AF030876, U67822, AL109798, U67820, AC004216, AC004408, AC002288, AL109627, AC005104, AF134726, AL020993, AB003151, AC000070, AL023575, AC007376, AC002364, AC005102, AC000353, AC005089, AP000502, AC005520, L78833, AC005305, AL020995, AP000691, AC005529, AC005005, AP000076, AC006023, AC005015, AL049757, Z85986, AC004962, AL049872, AF001550, Z95116, Z97183, L11910, AL031680, AP000689, AL035684, AC004050, AC006511, AC009247, AL133448, AL049766, AC004938, AC007690, AC004834, AC005952, AC005180, AC002546, U91323, U07563, Y18000, AF045555, AC002316, AC005988, AC000039, AL022320, AC003043, AL031056, AP000688, AL022311, AL035659, X76498, Z84469, AC004817, AL022327, AC005291, Z49235, AC005057, AC004967, AP000031, AC002395, AC007298, AC005081, AL136295, AL109801, AL121603, AL139054, AC002306, AL031276, U48697, AC006344, AC004859, AL049569, Z82178, AC003098, AC004813, AC007057, Z85987, AC007510, AP000049, AC005581, AC004883, U85195, AL020997, AC005933, AC002072, U47924, AL121769, AC006132, AL034429, AC004644, AC007450, AF053356, AL035587, AC005227, AC006509, AL078638, AC002219, AC003101, AC004525, Z98048, Z98200, AC004821, AC002369, AP000065, AL133163, AL133246, AL078581, AC008040, AP000311, AC005694, AC002472, AC005261, AC007052, AE000658, AL031295, AC007686, AC005722, Z99755, AC005064, AC005884, AC006538, AC006530, AC005667, AL021328, AP000306, AL035420, AC005037, Z82206, AC006239, AC007435, AL008719, AF093117, AC006953, AP000167, AP000120, AP000052, AC002492, AC005014, AF019413, Z98946, AC002404, AL080243, AC006077, AB023048, Z95152, AP000117, AC005071, AL109758, AC007999, AC002563, AC005736, AC004596, AC006211, AC004253, AC005500, AL049692, AC000118, AC007899, J03071, AC004804, AL049776, AC007731, AL022323, AC000004, U07562, Y10196, AC004815, AP000338, AC004797, AC006111, AC003982, AC005940, AL121653, AC012085, AC006121, AC005841, AC006275, Z93244, and AL031662.
HCWTP91	1515	661551	1 - 521	15 - 535	F05533, F05160, AF095687, and AC008039.
HCWTR08	1516	958791	1 - 334	15 - 348	
HCWTR54	1517	729290	1 - 333	15 - 347	AA904275, AA593471, AW020198, AW167154, AA112924, AA381762, H65464, AI285521,

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HCWTR77	1518	659506	1 - 380	15 - 394

HCWTS15	1519	654317	1 - 350	15 - 364	
HCWTS84	1520	669926	1 - 348	15 - 362	AB017567, AC005231, AC005911, AL121603, and AC005736.
HCWTT20	1521	669430	1 - 422	15 - 436	AW148697, and N75845.
HCWTT45	1522	576720	1 - 429	15 - 443	
HCWTT47	1523	706527	1 - 342	15 - 356	
HCWTT63	1524	542409	1 - 421	15 - 435	
HCWTT81	1525	712302	1 - 410	15 - 424	
HCWTT89	1526	786693	1 - 393	15 - 407	
HCWTU12	1527	934902	1 - 537	15 - 551	
HCWTU83	1528	780917	1 - 437	15 - 451	AA468131, A1820920, AW303196, A1696962, AL042853, AA493695, A1284640, AA468022, AA507824, AA478048, AW301350, AA478355, A1821670, AW270382, AA478209, AW149313, A1687343, A1873990, AA618452, AW020340, AA857486, AW274349, A1524360, AW302903, AW275510, A1963720, AA568869, AA515334, A1110844, A1369580, AA515549, F12561, AA847952, A1270117, A1499588, F00107, A1311927, F18164, A1457397, AA541423, AA019312, AA683258, AA468244, A1305766, AA523838, AA720702, AW021735, A1216990, AA661921, AW275971, AW301995, AA618349, A1247199, AL042753, AA640410, AA640430, AL046725, AA483771, AA515909, AL037040, A1567076, A1925579, AL038606, AA490183, A1345157, AW023149, AA834707, AW075948, AA580808, AA192740, AW303002, AA178953, H70994, AW245747, AW028429, AA584581, AA908687, AW193265, A1801482, AA491650, AW088846, AA719292, A1053911, AA188664, D44638, AL038072, AA588001, AA551552, A1567842, A1821494, AW163293, A1732865, AA724333, A1281881, AA548058, A1064952, AA521323, AA521399, AW440545, H18354, C04454, AA167055, A1133164, AL138455, AA493894, AA631507, AL039145, AA351056, AW340844, A1744826, A1254913, A1056177, A1865905, AA702729, AA780944, AL135357, AA523242, AW264934, AW103758, AW069510, AA491862, AA428792, AA410788, AA747070, A1580250, H23653, AL134957, AC007444, AL121603, AC006511, AC006371, AC005701, AC004987, AC008372, U95742, AC006965, AC006323, AC005242, AL009029, AP000459, AC007216, AC005194, AL049874, AL035405, AC007274, AC000353, AC006999, AC003003, AL031003, AB020862, AC007376, AF038667, AC009044, AL009179, AC005004, AC006211, AC005772, AC005884, AC007382, AL031666, AC004903, AL132826, Z98941, AC006336, D83989, AC004686, AC005230, AC004861, A1239322, AC006998, AC004531, AF001549, AC005146, AC010202, AC004966, AC007666, AC004650, Z98744, AL035448, AC001231, AC007684, AL050318, AC005209, AC006479, AC005026, AL109985, AC006044, AC004858, Z93023, AL050308, AC005330, AP000055, AP000170, AC007270, Z99716, AC005291, AC003692, AC006058, AC004865, AC005768, AC007298, AC004519, U57008, AC005815, AC002299, AC002984, AC006960, AP000962, AL133445, AC005011, AC006004, AL034420, Z82198, AC005358, AC004611, AC007226, AL031668, AC004010, AC000052, AL118510, AL133399, AC005180, AL031429, AC008079, X54179,

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HCWTU84	1529	666642	1 - 153	15 - 167	
HCWTV17	1530	725862	1 - 416	15 - 430	AL0674544, AA291234, AA284361, AW361644, and AB020718.
HCWTV62	1531	742696	1 - 564	15 - 578	N83991, N84712, N88601, N88782, N89520, AA093224, N84830, AA247964, N84855, N83992, N86694, AA095359, AA247827, N84048, H58760, N84718, N55698, AA096066, N83993, N83168, AA096046, AA471338, AA095641, N88518, N84829, AA093861, AP000528, AP000529, S78798, AF103726, U48696, AF045432, AF032922, AF102850, AR066487, AF039698, U39066, AJ243486, and AR066480.
HCWTV73	1532	574912	1 - 535	15 - 549	AC006013.
HCWTV88	1533	861846	1 - 543	15 - 557	
HCWUA19	1534	668355	1 - 399	15 - 413	AL044458, AA610644, H57752, H57751, W27084, AI114772, AI890971, Z99716, AC005180, AL031311, AC006271, AC004883, AC000353, AC007226, Z84469, AC009399, AC005763, AC005015, AD000092, AL031427, AC007993, AC005520, AF111168, AF165926, AC005703, AC006057, AC002461, AC004019, AC004881, AC007666, AL023803, AL050334, AC005011, AC004477, AC007193, AL035420, AC000052, AL031286, AL021707, AC007240, AL109984, AC004859, AC005829, AC005244, AC005940, AC005081, AL049538, AC006449, AC002299, AC004228, U73479, AC006139, AP001068, AL031584, AC008125, AL049872, AL022313, AC007057, AC005231, AC009542, AF053356, AL031678, AC002544, AP000558, AL035423, AJ011930, AC002312, AL008723, AP001053, AC002425, AL023284, AC007421, AC002350,

HCWUA23	1535	577964				AC005243, Z95116, U47924, and AL117352.
HCWUA43	1536	715000	1 - 407	15 - 421	AC005837.	
			1 - 369	15 - 383	T07420, D51809, AA769056, AA808064, AA715709, R82432, T03401, AA715507, AA669616, AA632836, AA411741, W39287, W60522, AA445951, AA427808, F10773, AA812542, AA320941, AA745373, AA461274, AA397415, AA513484, N30876, AA577706, N44146, AI819391, AI903464, AA244267, AI249365, AI174489, AI884922, R53995, AA741403, W96522, AA325787, AA601390, AA343014, T41164, AA610381, N27615, AA470567, AA634926, AA907222, AA594179, AA780906, AA078428, AA487720, AA668166, AA774119, C15362, T41132, AA730359, AI252010, AI252880, AI583448, AI903448, AA355128, H29960, AI799421, AA058499, H94979, AA740571, AA648560, AA130855, AA216375, AA508026, R94909, AI671077, AI929298, AI929825, AA206594, AA376358, AW157180, AA663437, N40760, AL135018, AA635413, AA716440, AA594746, AA598740, AA600127, AI866377, M78065, AI038577, AI933478, AA508444, AA010973, R83878, H53109, H52053, N72439, AA532732, AA084439, AA827383, AA351808, AA653503, N73724, AI872073, AW342143, AA745302, AW272389, AA649488, AC006388, AC005081, Z99127, AB003151, X69951, AB020865, AP000300, AP000045, AP000113, AC006509, L13711, AC002401, L44140, AF111163, Z74739, AC004408, AC004616, AL050321, AF069074, AF125348, AC002425, AC005017, Z94056, AC005338, AP000565, AL008707, AP000557, Z98855, AF181897, AL096843, AL031431, AC002544, M84472, AC004755, U34879, U63721, AL021707, AC000024, D87011, AL078596, U91326, AL031664, D88270, AL050404, AP000563, AP000133, AP000211, AC004687, AF012339, AC005514, AL031602, AC002375, AL034350, AL079303, AC005015, AL096766, AL049761, AC005837, L35532, Z68162, AL031657, Z82203, AC008115, AC006064, AC005280, M22469, M18000, AB022537, AP000353, AP000354, U91323, AC005740, AC009802, AP000556, AF112441, AL031186, AC004583, AC007666, AP000497, AC007510, AL133249, U52112, AC000052, AC005722, AC004019, AR062818, AC005355, AL050332, U89337, AL031672, AL050341, AC002565, AC006146, AC005316, AC005026, AC005011, AC005317, AC007486, AC021092, AC000086, AC006273, AP000228, AP000140, AC006966, AL031005, AC005996, AC004000, L78810, AC005486, AP000088, AF129756, AP000270, AP000032, AP000555, AP000291, AP000256, AC005372, AC005868, AP000098, AP000111, AL034451, AC005208, AC006571, AC007226, AC005846, U17576, AB001907, AF195658, AL023694, AC005543, AL096794, U82668, AL049538, AL035659, Z82195, AC006014, AC004817, Z98044, AL033504, AL121603, AC007993, AC020663, AC005488, AL049780, AC006530, U68061, U95090, AL049856, AC005775, AC004825, AL021154, AC004253, AL009031, AL021578, AC002326, AL135744, AL050140, AP000699, AB029020, AP000348, U07563, AL049734, AC004659, AL035603, AL132800, Z99716, AC005602, AL035551, AC004070, AC002412, AL035455, U52111, AL021808, AC005747, AL035089, AC007637, AL135960, AJ131016, AL110505, AC004750, AC005568, AC005744, M26434, AL035398, AF045555, AP000502, AP000161,	

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HCWUA90	1537	706532	1 - 360	15 - 374	
HCWUB03	1538	923556	1 - 446	15 - 460	
HCWUB08	1539	958770	1 - 392	15 - 406	<p> AI633478, AA652675, AA489390, AL044458, AA693433, AF114095, AI080086, AA630476, AI567976, AI623505, AA369494, T41235, AW162664, AW439455, N24046, AI821287, AA502660, AA502509, AA167178, N70293, AI869094, AW085751, AI014872, AA341391, AA659303, AI821605, AA650288, AI640905, AI625042, AA599712, AA622637, N62478, AL042731, AA507499, AW328185, AI214574, R43468, AA829795, AI690379, AA595661, T62614, AA854460, AA648942, AI500151, AI392771, N92752, AI935827, AI540319, W04238, AA228268, H65404, AI753131, AC005048, AC007964, AL050307, AC004966, Z69650, AC004802, AL078581, AL049843, AC005839, AL050318, AP000497, AL132987, AC005516, AF031076, AL035684, AC004967, Z93931, L47226, L47225, L47226, AC002401, AL031295, AC005288, AC004213, AL022723, AL096716, X59875, AF060911, AC010349, AC004856, L09706, AP000250, Z98272, AC005257, AC005202, Z84721, AP000251, U62293, U63721, AC007536, Z81364, AC003109, Z98051, Z93244, AC005994, AC004874, Z99291, U78027, AC005057, AP000211, AP000133, AP000030, AP000502, AP000065, AL049757, AL035420, AL021393, AL034423, AL008721, AL035458, AL034420, Z98742, Z93017, Z93928, AC002039, AC007845, AL050343, AL035422, AC005343, AC003665, AP000248, U07000, AL024507, AL132716, AL049646, AP001046, AC005137, AL117337, Z98884, AL031584, AP000501, AC016025, AC007686, AL133163, AC005726, AL049779, AC005291, U91322, AC004019, AF205588, AL050323, AC006274, AL133404, Z97183, Z97184, AC004125, AC002504, AC004668, AC002433, AC004962, AL033527, AC004073, AC007879, Y14692, AP000269, AP000103, AP000033, Z97876, AC006162, AL109798, AJ010598, AC005361, AF200465, Z85986, AC004805, X87344, AC004526, AC005681, Z48051, AC002049, AC006125, AC002054, AL049540, AL035588, AL049690, AC002472, AC007664, AC006115, AC008018, AL121652, AL135744, AL049872, AC004000, AC000045, AC005358, AC005180, AB023178, AC003030, AP000152, AP000010, AC005231, AC004850, AC005822, AL049569, AL049776, AF031078, AF209704, AC005484, AF043233, U21936, AR022305, M14949, AF030876, AB007874, M31061, M33764, AC002551, X16277, M81740, X69907, AR007118, AF106656, AL023577, AL031845, U73640, AC005779, AC002103, AC004754, AC007201, AC005175, AC005944, Z81367, AC006167, AC005372, AC000401, AC005937, Z82901, AL049576, AL031321, U71148, AL021453, AC005755, AL133382, AC004776, AC006468, AC004771, Z97352, AL031597, and </p>

						AP000503.
HCWUB74	1540	765274			15 - 360	
HCWUB83	1541	853008			15 - 448	AA804937, AI554512, AW084364, F03946, AL049761, Z93241, AL049631, AC018633, AC006443, AC004966, AC002045, AC005280, AC005484, AL035450, AC005940, AC005086, AC005562, AL132642, U91318, AL031670, AC006946, AC004217, AC005670, AL050307, AL031577, AL008628, AF047825, AJ251973, AC005305, AC006581, AC009516, AC004967, and Z81365.
HCWUC39	1542	572977			15 - 433	
HCWUC64	1543	588122			15 - 314	
HCWUC94	1544	721663			15 - 501	
HCWUD64	1545	746332			15 - 362	AI902698, AL121235, R76463, AI633479, AI828710, AA679936, AI732120, AA680243, AA478355, AA493894, AA654781, AI873852, AA366312, AL119649, AA018823, F00231, H84435, F00984, AI088768, F05324, AI049508, AL121207, AA618596, AW003867, AA012964, R86218, AA219150, AI536932, C14877, C14616, T84449, AA728990, AC002395, AC005071, AC004656, AC004159, AF038458, AL035405, AC004760, AC010205, AC005409, AC000159, AC005576, AC004983, AC006111, AC006050, Z85986, AC005484, AL121595, U95090, AC004841, AP000365, AF001550, AC004019, AC004253, AC006947, AP000514, AC004084, AC007637, AC006468, AL049781, AL050317, AC020663, AF111168, Z98752, AL034429, AC002404, AB003151, AP000688, AC007308, U73167, U90094, AC005399, AC009181, AL117338, AF200465, AC005619, AL031651, AC006211, AP000010, Z99716, AC007371, AL031311, AC004520, AL080243, and AC005943.
HCWUD83	1546	827340			15 - 443	AI657485, N87188, AA825827, U48697, AJ243486, U48696, AR018815, AF045432, U39066, AL031276, AC004223, and AC004596.
HCWUD85	1547	529221			15 - 296	AC004582.
HCWUD93	1548	574856			15 - 319	
HCWUF05	1549	849929			15 - 227	
HCWUF30	1550	691734			15 - 472	AA585101, AI525431, AI525556, AI540967, AI541374, AI541365, AA585476, Z30131, AI541535, AA585439, AI541514, D61254, T23957, R29445, R28735, T11028, AI546999, AL037436, AL037435, AI541523, AI546891, AI547039, AI525306, AI557731, C16300, T23985, T41289, R29177, AI525316, AI546945, AI526073, Z28355, AI557807, AL040463, AL039915, AL043612, AL041197, AL040155, AL041346, AL041096, AL047012, AL041358, AL041277, AL041163, AL041098, AL040621, AL043538, AL041324, AL040464, AL044162, AL041086, AL043496, AL041296, AL041233, AL043444, AI541307, AI541017, T23888, AL045725, AI525320, AL041140, C16305, AL040193, AI557262, AL047219, AL041227, AL047057, AI526140, AL047170, AL040119, AL047036, AL040553, AL041292, AL041051, AL047183, AL040322, AL041131, AL046330, AL041133, AL041238, AL041142, AL045817, AL040529, AL040625, AL040510, AL043467, AL040149, AL044186, AI557787, AL044037, AL040091,

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HCWUF40	1551	703804	1 - 313	15 - 327	
HCWUF46	1552	656680	1 - 435	15 - 449	AL135783.
HCWUF54	1553	933212	1 - 232	15 - 246	
HCWUF84	1554	686711	1 - 162	15 - 176	AI032481, and AF049579.
HCWUG43	1555	697616	1 - 388	15 - 402	AL035530.
HCWUG59	1556	573548	1 - 396	15 - 410	AL134048, AA248952, AL049742, and AL022240.
HCWUG93	1557	920882	1 - 229	15 - 243	
HCWUH17	1558	662478	1 - 280	15 - 294	AA632445, A1424340, T98279, AA719535, and AC004749.
HCWUH25	1559	677747	1 - 397	15 - 411	AA374775, A1252506, AA643442, AA568298, A1580906, AA834731, H45320, AA223932, A1471887, AA601318, A1016704, A1057350, AA446767, AA643448, AA643444, AA08796, AA643452, AA643454, AA643457, R95060, AA429371, AW169581, T40452, AA501762, H10143, A1205009, AJ340641, AA602438, AA090344, H10859, AL039187, AA812094, A1812082, AW265073, AA630834, AL037040, AA341263, AA814778, AA669434, W69364, AA808263, A1298246, AA610491, A1344812, A1932599, A134464, AW268973, AA528603, A1754661, AA493864, AA664790, A1277226, AC002364, AC005159, Z93018, AC006213, AL049736, Z99716, AC005972, AF015722, AC007541, AB000880, AC004180, AC004517, AP000507, AB000882, AC004534, AC007556, AL117337, AC007052, AL133445, AL023284, AC008033, AL031132, Z98742, AC005548, AF205588, U91326, AC004448, AC007281, AC007542, AL022313, AL096773, Z85986, AC005901, AL021069, AC004042, AC010206, Z69838, AF196969, AC002544, AC005193, AF165926, AJ229041, U57645, Z82181, Z68162, AF124731, AC006537, AL031257, AC004558, AC012627, AL031904, AF015720, AP000511, AP000097, AL049776, AL079339, AP000154, AP000012, AL034370, AP000961, AC006487, AL080242, AL049635, AC009721, AC004968, AC005288, AC005841, AC002036, AC004099, Z93020, AC004257, AL022237, AC004508, AL109963, AL031055, AL132987, AC005261, Z98950, AC007879, AC003041, AL031659, AC007051, Y11493, AB020715, AC007066, AL031685, AC004024, AP000495, AB016897, AL133163, AL031277, AC005152, AB007955, AL109610, AC006167, AL031057, AC006027, AL021453, AC002551, AL035419, AC006141, AC007324, AL022326, AC005153, AC004849, AC008101, AC004821, AC008079, AC007041, AC006538, AC004125, AC005291, AC004933, AL117342, AC005832, AC005531, AL049777, Z86090, AC005498, AC004934, AC002470, AC004227, AC007240, AF064861, AL033527,

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HCWUJH85	1560	752790	1 - 366	15 - 380	AI460103, AA574077, AL049780, AC007055, Z84469, AC005187, AL133246, AL022163, AP000336, AP000215, AC003667, AP000156, AC004841, AL035653, AC005746, AP000014, Z99496, AC009721, AL021453, AC004024, AC004584, AC004616, AB003151, AP000688, and AL049776.
HCWUJI10	1561	964028	1 - 390	15 - 404	
HCWUJI17	1562	662483	1 - 374	15 - 388	CI4614, AI199949, AI189004, AI963797, AA525071, C75012, AJ010597, AC005730, Z69650, AC005516, AC002465, AC005726, Z82190, AC005406, AC005530, AJ006995, U47924, AC006547, Z94277, AC001551, AC005664, AC005859, AC002350, AC005971, AC006013, AL109801, AL049843, AC000075, Z93244, AC005031, Z98950, U80017, AB023048, AP000511, AC002347, AL022723, AC007386, AL122003, and AC004477.
HCWUK13	1563	656679	1 - 378	15 - 392	
HCWUK56	1564	733122	1 - 443	15 - 457	AF186189.
HCWUK77	1565	771883	1 - 513	15 - 527	AC007681.
HCWUK95	1566	615550	1 - 266	15 - 280	
HCWUL03	1567	923572	1 - 478	15 - 492	
HCWUL19	1568	668361	1 - 301	15 - 315	
HCWUL24	1569	968380	1 - 413	15 - 427	
HCWUL32	1570	523358	1 - 301	15 - 315	
HCWUL36	1571	849901	1 - 424	15 - 438	
HCWUL47	1572	720024	1 - 513	15 - 527	
HCWUL69	1573	740373	1 - 244	15 - 258	AI657485, N83963, N87188, N83707, U39066, U48696, U48697, AR018815, AF045432, AF011573, AF102850, AI243486, AF001863, AF061744, X99056, X99055, X99052, Y16299, X99058, X99051, Y07542, X99060, and X99057.
HCWUL74	1574	690750	1 - 354	15 - 368	
HCWUL83	1575	527566	1 - 543	15 - 557	
HCWUN05	1576	928191	1 - 287	15 - 301	F35659, AW074398, AA308806, AI499094, AW069807, F31204, AA365347, AI110770, AI914706, AA558697, AI284640, AI471481, AA515128, AA228329, F36273, F19258, AA318652,

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HCWU010	1577	861840	1 - 480	15 - 494	AA584620, AW192373, AI049504, AI917132, AA904211, AI307563, T86119, AI540840, T57767, AA158549, AA829044, AI114704, AI792539, AW272294, AA225406, AI049845, AI636734, AA634786, AW082076, AA491767, AL079894, H71678, AW157005, AI917904, AI244157, AI581486, AI800426, AA528390, AA992126, AI801505, AW237905, AI028510, AA564582, AI270370, T50676, AA158759, AA629836, AA551548, H79308, F33138, AI708005, AA527209, AW028950, AL046519, AW438850, AW438662, AA742815, AW302017, AA714110, F17416, AA570441, AA595661, AA326014, AA297666, F24728, AA468505, AA612727, AI003086, AA657835, AI031759, AA526643, AC006538, AL080243, AF053356, AC002511, AC005722, AL034420, AC005324, AC004797, AC007546, AC008372, AC005015, U91321, AF196969, AC004975, AC006441, AC004787, AL031577, AC006511, AC002350, AC005598, Z98742, AC005529, AC004854, AL022311, Z82245, AC005696, L44140, AL117338, AL035587, AL133353, AC005527, AC004983, AC006057, AP000350, AL031005, Z82184, AL035071, AC006505, AP000359, AF047825, AF196779, AL033392, AC003982, AC003108, AC005666, AC004876, AC004887, AL109627, AC005695, AL031683, AC020663, AL031291, AL096791,

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HCWUO81	1578	756978	1 - 439	15 - 453	AW440373, AW139492, AC004150, Z98747, AC007204, and AC006539.
HCWUP64	1579	746328	1 - 264	15 - 278	
HCWUQ02	1580	968431	1 - 483	15 - 497	AI657485, AF102850, AF001863, AF061744, AF045432, AJ243486, U39066, U48696, U48697, AF011573, and A70147.
HCWUQ77	1581	719064	1 - 379	15 - 393	
HCWUR43	1582	714529	1 - 542	15 - 556	AI054414, AF001552, AC005209, AC006312, AL022313, AF134726, AL009181, AF109907, AC005940, AL021937, AC002477, Z99716, AC005288, AC004382, AP000553, AF111168, AL022315, AC007227, AP000557, AC004975, D87675, AL034420, AC004922, AL031311, AC004149, AL022320, AC005081, AC006241, U07563, AL031255, AL008582, AC008372, AC004447, AL080243, AL035495, AL022237, AC005696, AC005067, AL031281, AC005300, AC005102, AL031602, AC005057, AF030453, AC004876, AC005565, AL096774, AC004841, AC005264, AC016830, AC005335, AL034423, AC005730, AC003038, AF129756, AC004883, AC006211, U62293, AL133448, AB023049, AC005484, AC004531, U89337, AC005088,

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HCWUR83	1583	958776	1 - 379	15 - 393	AI361673, AC002094, and AC005955.
HCWUR95	1584	711186	1 - 492	15 - 506	
HCWUS02	1585	919224	1 - 292	15 - 306	AI914239
HCWUS29	1586	690351	1 - 615	15 - 629	AA165563.
HCWUS63	1587	542330	1 - 445	15 - 459	AI652927, AB002803, AP000241, AF124731, AP000201, AP000097, and AF026199.
HCWUS72	1588	855815	1 - 318	15 - 332	AF097485, and AC005089.
HCWUT24	1589	676902	1 - 386	15 - 400	AI653905, H73720, AA080863, AA069022, M78005, AI300307, AL031228, AC006130, Z96641, Z85986, AC005089, AC004106, and Z96498.
HCWUT46	1590	861836	1 - 474	15 - 488	AA122111.
HCWUU04	1591	614859	1 - 348	15 - 362	H82979, F00112, AA662982, AI963797, AA516310, AI199949, AI189004, CI4614, AA524604, N59038, AC004242, AC007666, AL031670, AL021918, AC004797, AP000346, AL109914, AC004020, AC003667, AC004019, AC005529, AC006449, AF165926, AC004887, AL008723, AL133163, AC007371, U47924, AC005214, Z93023, AC005288, AC006014, AC007055, AC004477, AC007263, U82828, L44140, AL109623, AB023054, AC006547, U80017, AC005664, AL021707, AC000075, AC004081, AC005071, AL031293, AC005031, Z85987, AC005057, AC005752, AC007686, AF205588, Z93017, AC000003, AC004057, AC004929, Z95113, AL008718, AL121652, AC005317, and AL031229.
HCWUU07	1592	861959	1 - 496	15 - 510	
HCWUU16	1593	661570	1 - 307	15 - 321	
HCWUU58	1594	735736	1 - 223	15 - 237	AA525331, AA431350, AA431634, AA705118, AA526092, AA665517, R79654, W92302, AI733660, AI821775, AA225548, AC007372, AC004802, AC004911, AC006277, AC002395, AC004056, AL133289, AC002394, AL031848, AC004832, AC004752, AL049823, AF019664, AL031657, AL035703, Y13901, AL023807, and AB016897.
HCWUU78	1595	574908	1 - 433	15 - 447	
HCWUV17	1596	662485	1 - 340	15 - 354	AI064787, AA669618, AI560413, H82557, AI525319, AF169482, AA525464, AA765736, AA478355, AA974503, AA737432, AI174766, AA610491, AA502866, AA468131, T47970, AW149313, AI866856, AI223604, AW002350, T86545, AI093030, AA846952, AW023389,

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HCWUV24	1597	676909	1 - 386	15 - 400	AL049775.
HCWUV28	1598	686171	1 - 552	15 - 566	T98176, AF111168, and AL020997.
HCWUV65	1599	676334	1 - 359	15 - 373	
HCWUV76	1600	615554	1 - 337	15 - 351	

HCWUW01	1601	915860	1 - 493	15 - 507	AA368835, H59296, H96676, H85763, H84047, AW069273, AP000331, AP000172, AP000057, AP000125, AC004109, AC007687, AF126403, AL035458, AP000688, AC004801, AL035249, AP000687, Z46936, AC005697, AC002425, AC006132, AC005015, AP000039, AF006501, AC005070, Z98950, AC004582, AC007240, AC005887, AC004854, AC004893, AC007535, AL035079, AC007999, AL031729, AP000280, AL031587, AC007637, Z99291, AL049760, AC009263, Z99497, AC007114, AC005871, AP000107, AL031281, AC002472, AL034561, AP000694, AC007664, AB002059, AC007207, and AC004835.
HCWUW55	1603	964086	1 - 538	15 - 552	
HCWUW58	1604	694016	1 - 348	15 - 362	
HCWUW69	1605	882383	1 - 378	15 - 392	AC010436.
HCWUW76	1606	769808	1 - 535	15 - 549	
HCWUW84	1607	782840	1 - 349	15 - 363	
HCWUW90	1608	712303	1 - 365	15 - 379	
HCWUW95	1609	706528	1 - 369	15 - 383	
HCWUX02	1610	852993	1 - 541	15 - 555	AC005247.
HCWUX25	1611	614857	1 - 405	15 - 419	
HCWUX78	1612	773336	1 - 451	15 - 465	W86785, and R09187.
HCWUY16	1613	661550	1 - 527	15 - 541	AC007708, AC009288, AC008132, AP000550, AP000552, AC007664, AC007325, AC007981, AC008018, AC012330, and AC005815.
HCWUY19	1614	922920	1 - 1082	15 - 1096	AW189204, H64247, R89015, H73207, H62796, H62711, H73281, H95089, T99705, H77855, H77907, R84881, AA203271, and H64246.
HCWUY26	1615	681249	1 - 309	15 - 323	
HCWUY41	1616	711771	1 - 286	15 - 300	
HCWUY69	1617	615630	1 - 538	15 - 552	
HCWVA18	1618	849894	1 - 350	15 - 364	AI499795, and AW002986.
HCWVA25	1619	754314	1 - 187	15 - 201	N88601, N84855, N83168, N86694, AA095359, AA096066, AA096046, N83993, AA247827, N88782, N83992, N84712, N84048, N84718, N88518, AA095641, N55698, AA247964, N83991, N84830, N89520, AA471338, H58760, N84829, N87898, N87989, N56555, AJ243486, U48696, U39066, AF039698, AR066487, AF103726, AF102850, S78798, AF032922, and AF045432.
HCWVA44	1620	716347	1 - 122	15 - 136	
HCWVF94	1621	793533	1 - 659	15 - 673	H57015.
HCWWH59	1622	770274	1 - 438	15 - 452	
HCWWH65	1623	747324	1 - 175	15 - 189	
HCWWH67	1624	772342	1 - 328	15 - 342	AA251067.
HCWWH69	1625	861830	1 - 465	15 - 479	AC002536.

HDCAC05	1626	975255	1 - 457	15 - 471	AL134902, AI142131, AL134536, AL119401, U46351, AL119341, AL134527, AL134526, AL119418, U46349, AL043019, and AR054110.
HDCAD10	1627	963330	1 - 489	15 - 503	AW272294, AA225406, AI870453, AI635028, AI762528, AI133514, AA565319, AI923451, AI860751, AI923458, AI279417, AI587467, AA133332, AA160563, AI282629, AA877992, AW243793, AI192440, AA528503, AA528574, N64587, AC007371, AC006241, AC005081, AC004125, AC005696, AC005015, AC007363, AF001548, AL023575, AC005189, AL022323, Z99716, AL049760, AC006511, AC006441, Z95114, AL049569, AC005082, AC005011, AC002288, AC005874, AF134471, AB026898, AC002404, Z85986, AF196970, AC009516, AC002477, AC004905, Z99128, AC005529, AC006965, AC005921, AC007878, AL139054, AL022313, AL109984, AC007285, AL035071, AL034420, AC002314, AC004813, AL022320, AC005839, AL050307, AC006958, AC006312, AB023048, AC002352, AC007055, AC005280, AL021807, AC004882, AC005089, AL049872, AC004491, AC005484, AP000044, Z98941, AC004895, AC004531, AC006121, AL136295, AC007773, AP000697, Z83840, AP000098, AC005409, AC008009, AL035703, U62631, AC004782, AC000378, AP000209, AL049829, AC004686, AP000112, AC002425, AC005578, Z83844, AL022326, AL049832, AL049780, AC005231, AC004910, AC005527, Z97053, AL031311, AC007327, Z83847, AF067844, AC006480, AC004983, AP000696, AC004903, AC007938, AC005697, AL132777, U47924, AC004805, AL031657, AP000248, AF002223, AC004067, AC005943, Z93016, AL096773, AC004966, AL117337, AC005086, AC005237, AL031848, AC005516, AC005755, AC007182, AC005412, AC003695, AL035209, AC006946, AL021707, AC004655, AC008038, AF196971, AC005519, AL049643, AC007225, AL023284, AF001549, AC000026, AC006512, AF181896, U91322, AC002546, AC003108, AC005520, AL009181, AL049576, Z82244, AC004659, AC004797, AC003962, AC004099, AC004098, AF045555, Z81365, AC010200, AF205588, AP000694, AP000568, Z98946, U91326, AC004854, AC004033, AL034379, AC004821, AP000692, AL031670, AL049776, Z49208, AC000025, Z85987, AF030453, AC005255, AL122020, AE000658, AL031597, AC005537, AL022336, AP000086, AL133245, AP000313, AC004967, U91321, Z98304, AC007637, AC006597, AF047825, AC005971, AC002070, AL022401, AC004743, AC006064, AC005088, Z84469, AL021939, AC005207, AC007193, and AL096766.
HDCAG86	1628	852970	1 - 389	15 - 403	
HDCAP64	1629	922818	1 - 343	15 - 357	
HDCAV79	1630	881404	1 - 483	15 - 497	AL035541.
HDCAY54	1631	959750	1 - 430	15 - 444	
HDCBO38	1632	961931	1 - 214	15 - 228	
HDDMA83	1633	926991	1 - 759	15 - 773	AW371972, AA885936, and AF038963.
HDDNY79	1634	933804	1 - 443	15 - 457	AL049569.
HDDOC53	1635	934157	1 - 879	15 - 893	AF150417, AI888578, AI826769, AW327712, AW168059, AA628915, AI884992, AA761358,

AI707839, AI382085, AI359894, AA224907, AA234724, AA548422, AA234791, AA831987, AW268716, AW404640, AI344460, AI933178, AA548402, AI826730, AW172286, AA224806, R69361, AA961626, D20106, AA028112, AA028111, AI421970, AA455772, N39304, AI263331, AI494201, AL043168, AW022102, AW044029, AI923989, AL040161, AI538885, AI440263, AI345347, AI744923, AW088134, AL038778, AW084056, AL119457, W81248, AI312428, AI307569, AL121270, AW148478, AI889168, AI366992, AI002285, AW268072, AW075084, AI310925, AI334884, AL037030, AW131428, AA572758, AA493923, AI343091, AI349226, AI345397, N49165, AL041150, AI468959, AI567582, AI886415, AA420722, AL079794, N29277, AL119863, AI683860, AA983883, AI254226, AI348917, AI696626, AL119511, AW059828, AW411310, AL046463, AI859464, AW089572, AW020710, AI349957, AI281867, AI554821, AI267185, AI829327, AI800159, AW161579, AI345005, AI631216, AI251485, AI961589, AI887775, AI590603, AL119399, AI539766, AI702301, AI868204, AL042382, AI612885, AL047344, AI609911, AI436429, AI499986, AI915295, AI345745, AI349256, AI312152, AL134259, AW269097, AI885989, AI587121, AI349933, AI312399, AI345608, AI349937, AI566479, AI307543, AI345737, AI348897, AI345251, AW071412, AI307734, AI307708, AI336513, AI312325, AW071395, AI340659, AW071377, AI345736, AI348895, AI307494, AI336495, AI918554, AI340644, H89138, AA805751, AI340627, AI281782, AI334930, AI309443, AI349622, AA600801, AW071380, AI307520, AI582871, AI498579, AI889147, AI340664, AI310592, AI611728, AI282355, AL047042, AI348969, AI345739, AI345674, AW075207, AL036664, AL040586, AI312143, AI345471, AI343037, AI349637, AI345735, AI868163, AI310927, AI267532, AI559752, AI366974, AI307578, AI824375, AI345111, AW020693, AL042544, AI349955, AI312210, AW075093, AW055252, AI312432, AI310930, AI345114, AI312271, AI312357, AI307210, AI345224, AI336662, AI345156, AI345253, AI589267, AI277008, AL036802, AI311159, AI648408, AI690536, AI289542, AL119836, AI955906, AW151136, AI313320, AI310575, AW089689, AI570966, AI312237, AI679959, AI313352, AI251221, AW022682, AL040694, AL036772, AL036718, AI307503, AL036396, AL138406, AI311892, AA012905, AI950664, AI307736, AI340519, AI802372, AW089275, AI340603, AI623736, AW020095, AI349814, AI285419, AI349266, AI344452, AI349787, AI307542, AI340533, AI344938, AI252077, AL045664, AI345370, AI334445, AI312146, AI312339, AI309431, AI340537, AI343059, AI500659, AI348854, AI345258, AI241763, AL023653, AI010277, AF132676, AF061836, I48978, AL050024, A90832, A08916, AL122098, A08910, A08909, AF036268, X63574, AB016226, AF090896, S78214, AF113676, AL050146, I89947, A08913, AL137521, AL122110, AF090943, AF087943, X70685, X52128, A08912, AL110159, U77594, AF065135, Y11587, U68387, AF146568, AL080124, A08908, AL049430, L31396, L31397, I89931, S61953, I49625, AF113694, AF094480, AL110225, U72620, AR068753, S77771, AL117394, S76508, AL122123, I89934, Y16645, I33392, AF118090, AL137648, U78525, AR038854, Y10655, AI8777, AL133093, AF089818, AL137529, AL110171, AF003737,				
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HDLAC80	1636	799887	1 - 302	15 - 316	AL035461.
HDLAD61	1637	775541	1 - 388	15 - 402	D82449, AA079011, W15176, D82382, D82521, AF077040, and AF073344.
HDLAH25	1638	796174	1 - 323	15 - 337	AA404215.
HDLAK03	1639	923285	1 - 201	15 - 215	AL047643, AL499503, F32724, AA715268, AA683031, AI744739, AA641103, N48131, AI923140, AI341664, AI061591, AI114660, AW157326, F36273, AI890928, AI890570, AA362700, AA847216, AI914706, AA364567, AA551509, AI307201, AW074398, F35113, AA515051, AA658235, AI613261, AI205126, AL041706, AW021857, AI553983, AA715362, AA669416, AI608626, AA484148, AA443065, AA578961, AA715270, AI445117, AI955323, F19258, AI624698, AI143242, AA354507, AI471572, AW193265, H64777, AI709365, W03190, AL079683, H04821, AI510838, AA514737, AI92287, AI310138, AA580662, AI149915, AW340922, AI432270, AI264743, AA328591, AA330772, AI051551, N43757, AA630352, F28576, AI937850, AI569086, AA973575, AI358343, AW341892, AA548137, AA318652, D58782, AW337985, AA450199, AA878495, AA458804, AI079910, AW130799, AI921649, AI445436, AI890052, AI963786, AA569306, AI880168, AI376100, AL079645, AA601270, AW265654, AI379719, AI110770, T06556, AW074059, AI356904, AI922654, AI564284, R44592,

AL042856, AI284640, R79496, AI570138, T56067, AI557323, T63104, AA843450, AW406659, AA526755, N54179, AA344959, AA225201, AI732498, AI160117, AI859251, AI802526, AA226364, AI708009, AI859742, AI471481, AA985038, N69962, AI138265, AI003172, AI719014, F31204, AW188544, AW302117, AI904894, AF150152, AL036523, F33511, AI349874, AW276827, AI334435, AA317973, AI446464, AA308806, AI565582, AI635818, AI287964, AW439839, AL042771, AA515128, AL041368, AI679379, AI499094, AI888405, RI13151, AI287528, AA369477, AI679888, N41759, AI252085, W60516, AA557879, AI252114, AP000155, AP000013, AC006050, AL133371, AC005053, Y18000, AC002056, AC004810, AC004539, AC009178, AC005529, AC006538, AC004998, AL049697, AC004884, AC002116, AC010170, AL110505, AC004806, AC007695, AP000555, AL078621, AC004755, AC003678, AC003689, MI13254, AC003104, AC004682, AL031720, AC004675, AC007402, AC005694, AL035562, AC005527, AL033525, AC004492, L34162, AC007731, AC007537, AC005500, AC003007, AC006023, AC009405, AC005632, AF088219, AC003038, AC004447, AP000745, AP001172, AC006480, U55184, Z93783, AF139813, AC004057, AF123462, AC005899, AC004770, AC004228, AC005562, AC006515, AL035659, AB020668, AL096702, AC004799, AC005064, AC003982, AC005886, AC002347, AL049636, AC005094, AC010205, AC005409, AC005069, AC005575, AC006537, AC005783, AC006271, AC004230, AL078623, U66061, AC006948, AC005785, AC006116, Z99774, AC007064, U62317, AC005358, AC005726, AL035448, AL118497, AC004859, AL096867, AC004645, AC005091, AC005856, AC005076, AC009542, AC009330, AC006111, AC002429, AL135879, AL121790, AC010072, AL031432, AC005399, AC018769, AC018767, Z95889, AL031427, AC004988, AB029028, AF180425, AC005725, AC008059, AL021977, AC007536, Z98752, U07563, AP000477, AC002400, AL050318, AC004478, AL049778, AL050307, AP000552, AL031289, Z83838, AC004477, AC020663, AL031283, AF001549, AL109758, Z95114, AC005229, AL031123, AC005912, AP000280, AC003959, AC004989, AC005057, AP000107, AP000039, AC004223, AL031005, AC004908, AL022722, Z98946, AC002076, AL024507, AC005940, U95743, AC002426, AC005368, AL023578, AF111169, Z97183, AC007786, AP000306, AC005765, AC005793, AP000047, AF176915, AC004964, Z93096, AP000115, AC002375, AP000692, AL008706, AL035400, AL031276, Z83826, AC005599, AC005913, AC010200, AC004890, AC005037, AC007207, AJ229043, AC004822, AC005747, AP001135, AC005197, AC005255, AC000066, AP000072, AC010168, AC005839, AC004907, AC005519, Z82206, AC005730, AI010770, AL135783, AC006241, AC002565, AP000965, AC011198, AP000952, AP001053, AL049845, AC005370, AC003662, AC005866, AF111170, AL080243, AC007738, AL117340, AL008718, U85195, AE000658, AC004760, AC002994, AC009336, U95740, AC006285, AC007228, AL021978, AC006367, AL050326, Z75744, AC002519, AC004969, AL035420, AJ239321, AC005152, AC005385, AC004099, AC006006, AC005482, AC009275, AF070718, AC006064, AL034452, AL031662, AB020876, AC005969, AC016025, AC007225, AC006004,					
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HDLAN36	1640	923478	1 - 85	15 - 99		
HDLAQ27	1641	787084	1 - 422	15 - 436		AI581067.
HDLAQ50	1642	723854	1 - 307	15 - 321		
HDLAR24	1643	943930	1 - 305	15 - 319		
HDLAV29	1644	922276	1 - 393	15 - 407		AI220255.
HDLB03	1645	923286	1 - 327	15 - 341		AF162761.
HDMAQ15	1646	941282	1 - 1134	15 - 1148		AI141684, AA242853, AI281834, N50984, AW014432, AA826047, AA977801, AA984041, T64272, AA994205, AA252172, AI361098, T64144, AI280735, AW084330, AA931748, AW071613, R09320, AA448980, AI990634, R09211, AW388104, AI147841, AI198101, AW238793, AI627898, AW074546, AW072130, AI276023, AI394689, AI457707, AI953242, AI539262, AA947158, AA150147, D44958, AA034918, and AC004126.
HDMBH76	1647	883212	1 - 1214	15 - 1228		AA584604, R17976, and AA297873.
HDMBK12	1648	968954	1 - 424	15 - 438		
HDPA89	1649	693445	1 - 501	15 - 515		H51802, H67354, T67670, AA700794, AB029488, and AC002536.
HDPA803	1650	924124	1 - 356	15 - 370		AL078600.
HDPAD22	1651	674560	1 - 470	15 - 484		AI492865, AA836291, and Z59212.
HDPAE86	1652	709072	1 - 505	15 - 519		H49713, and T87022.
HDPAF70	1653	881626	1 - 452	15 - 466		
HDPAQ03	1654	771636	1 - 216	15 - 230		AC005946, and AC006272.
HDPAQ32	1655	947832	1 - 627	15 - 641		
HDPAH10	1656	969041	1 - 516	15 - 530		T97458, AA704961, AA704993, T97730, R09226, AI097092, AI264637, AW440517, T97914, AA203274, AA045417, AA127626, AA308065, T96809, F22528, AA304050, AA082078, AI087224, W39584, AI042559, N32838, AI289816, AI333981, AA513003, AA121528, AA716353, AA302332, AI805206, AA677140, W44935, AI208270, AA112905, AI024761, AI087291, AA448463, AA101212, AI685445, AI094396, AA932240, AA331180, AA062780, N42284, AA045311, and AA973273.
HDPAQ24	1657	677179	1 - 425	15 - 439		AF223944, AF110330, and Z61018.
HDPAS40	1658	860041	1 - 567	15 - 581		AC'003004.
HDPAV74	1659	916457	1 - 396	15 - 410		
HDPAZ46	1660	719024	1 - 434	15 - 448		
HDPAZ73	1661	756742	1 - 496	15 - 510		AI734217, AI830204, AI764987, W20302, AA328526, AI344107, AI668657, R54083, AA334776, AA151813, AI921148, AA815201, AA386170, AA122312, AI361541, AI284342, AA071290, AI284343, R60683, AA399256, T36239, N23786, T65297, AA779556, AA425224, AA350782, AW004629, AA888883, F02683, F10790, F03793, R41712, H29594, N46213, R39944, R40964, R48971, R44252, R44573, R50366, AF182814, and AI243721.

HDPBC24	1662	760623	1 - 340	15 - 354	AI401449, AA075859, D26362, AC000391, and AC002323.
HDPBD79	1663	973367	1 - 159	15 - 173	AI003449, AI970509, H23104, N45556, AL040461, AI216366, AA927218, AA912892, AL078614, AL137712, and AL109748.
HDPBJ94	1664	945460	1 - 810	15 - 824	AA296462, AA223692, AB023188, Z54728, and Z54729.
HDPBM64	1665	773091	1 - 397	15 - 411	
HDPBO71	1666	888109	1 - 301	15 - 315	
HDPBS54	1667	904762	1 - 2050	15 - 2064	AI721185, AI066646, AA700943, AW023111, AW070532, AI249997, AI471476, AI362442, AI357628, AI955029, AI305547, AA663074, AI755202, AW089016, AA502207, AL039042, AL039041, AA721722, AI061313, AW028950, AL042373, AA837035, AA602906, AA569402, AI821044, AC005015, AC009501, AC005228, AC004878, AL096701, AC007193, AL049540, AC004813, AC002997, AL021937, AC005914, AC004897, AC005562, AC002381, AL117258, AC005088, AC005747, AC004832, AC006285, AC002544, U80017, AC007308, AC005599, AL034548, AF200465, AC007199, Z86090, AC007546, AC005921, AL021393, AC008033, AL133246, AC006312, AC002316, M63796, AC007226, AF111169, AC006597, AF196779, AC004883, AC004125, AL049843, AL121652, Z93023, AL035249, AL078581, AJ010770, AC004912, AC007227, AC004999, AL049779, AF196969, AL096774, AC005082, AC005031, AL035587, AP000304, AL035413, AC004554, AC004806, AC004686, AF196971, AC002115, AC004796, AC005873, AC007052, AC006948, AF124523, AL121653, AP001054, AC004638, AC006241, AC005102, AC004587, AL022097, AC005786, AP000509, AC005081, AC006430, AC007540, U07000, AF107258, AL133448, AC004223, AC010205, AC006211, AC003109, AL049697, AL121595, AC005412, AL049757, AL117328, AC005844, AC008101, AC005722, U95742, U63721, Z99496, Z83840, AC003963, AC000134, AC000392, U62292, AC005696, AF053356, AC003684, AP000047, AL022318, AL049712, AC005409, AC007011, AL049766, AB023051, AL080243, AC005280, AB023049, AC004953, AF001548, AC004881, AC005500, AC004216, AC004520, AL024507, AC002400, AL022311, AL109801, AC005776, AL133553, AP001053, AL022329, AC006509, AC005209, AC004973, AC004991, AC007731, AC004989, AC007999, AC004263, AC016830, AF121781, AC004383, AC008055, AC005695, U96629, AP000513, AC002091, AC000092, AC004910, AF111168, AL022313, AL049795, AC005920, AC007298, AC002073, AL049650, AL031659, Z98884, AP000115, AC000353, AC003663, AC005089, AL031282, AC004671, AC004025, AL049569, AC006530, AC007041, AC007934, AC007637, AL049869, AF109907, AC005519, and AC004551.
HDPBW10	1668	964553	1 - 460	15 - 474	AL045848, AA582554, AI832000, AI292085, AI264046, AI251024, AI446205, AW270768, AW008074, AW149975, AI291037, AW302709, AW271774, AW236235, AA219651, AI078409, AI803915, U91326, AC002544, Z93942, Z83826, AP000105, AP000037, AC008063, AC009399, Z93931, AL031286, AJ229042, AL133243, AD000092, AC003962, Z83843, AC004386, AL031728, AC005239, AL021154, AP000150, AC006123, AF107885, AP000009, AC004202, AC002310, AC007565, AL022316, AC007684, AC007676, AF047825, AL020997, AL049776,

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HDPBW26	1669	670345	1 - 240	15 - 254	AC007172, and X84692.
HDPBX82	1670	779848	1 - 533	15 - 547	AL478349, AL624865, and AC005336.
HDPBY23	1671	858345	1 - 505	15 - 519	AA004919, C16939, AW301353, and T06985.
HDPCC48	1672	709005	1 - 423	15 - 437	
HDPCH65	1673	950716	1 - 493	15 - 507	AA284452, and AL135744.
HDPCK27	1674	683383	1 - 450	15 - 464	
HDPCK66	1675	766231	1 - 432	15 - 446	
HDDCM35	1676	973352	1 - 455	15 - 469	AL096805.
HDDCN22	1677	927838	1 - 610	15 - 624	H81040.
HDDCN94	1678	794275	1 - 753	15 - 767	AL122086, AF120323, AB022915, AF120324, and AF121102.
HDDPCR34	1679	852871	1 - 327	15 - 341	
HDDPCS43	1680	714479	1 - 299	15 - 313	
HDDPCV60	1681	720278	1 - 846	15 - 860	AL762468, AA039789, AA039790, AL040678, AW044237, R69130, W80467, R69248, N69997, R66283, R79969, R80067, R66282, R08901, and W80576.
HDDPCW90	1682	612234	1 - 427	15 - 441	T86522, R05896, and R01279.
HDDPCY03	1683	924057	1 - 455	15 - 469	
HDDPCY43	1684	958157	1 - 468	15 - 482	AF118808.
HDDPCY93	1685	571375	1 - 431	15 - 445	N44631.
HDDPD178	1686	773556	1 - 362	15 - 376	AB014599.
HDDPDJ24	1687	677166	1 - 376	15 - 390	AF150205, R94203, and AF161539.
HDDPDJ90	1688	735027	1 - 442	15 - 456	AI940403, AC005363, and AC005606.
HDDPDL62	1689	691647	1 - 647	15 - 661	AA573618, and U81831.
HDDPDL79	1690	774943	1 - 570	15 - 584	AW177005.
HDDPDN08	1691	959332	1 - 927	15 - 941	AA216672, AA078092, AA829049, and AC007444.
HDDPDO46	1692	719010	1 - 449	15 - 463	AA808002, AA467766, AC007276, AL031650, AL096861, Z84480, AC002525, AL031575, AP000569, and AL035073.
HDDPFC15	1693	745045	1 - 195	15 - 209	
HDDPFF07	1694	974494	1 - 798	15 - 812	AB033030, and AF151363.
HDDPFJ21	1695	852824	1 - 376	15 - 390	AL034555.
HDDPFQ93	1696	772456	1 - 373	15 - 387	AL049766.

HDPFV55	1697	575202	1 - 544	15 - 558	AA833892, R84376, and AA382114.
HDPFW80	1698	734937	1 - 495	15 - 509	
HDPFY90	1699	788870	1 - 353	15 - 367	
HDPFZ58	1700	735975	1 - 515	15 - 529	AW404640, AF150417, AL023653, and AL049683.
HDPGB73	1701	574603	1 - 355	15 - 369	AL134996, AB018413, and AB011143.
HDPGG28	1702	625678	1 - 446	15 - 460	
HDPGH27	1703	937144	1 - 315	15 - 329	AA362688, AA362690, AA362689, T29199, AL044652, I07209, I07249, AR068508, AR068510, AR067734, AR067731, AR068509, A63954, I09267, I09270, I91969, I09268, I09269, A49701, I09252, I09251, AR067732, A29109, A32111, I66495, AR068550, A23373, AR068551, I66494, E01324, I08638, A94048, A94061, AR035224, A94046, A94054, A49045, I58322, I58323, I66498, I66497, I66496, I66486, I66487, A27169, A27170, A39929, A83151, AR038307, AR038321, AR051528, AR051547, AR051537, AR051524, and A42964.
HDPGI14	1704	415961	1 - 432	15 - 446	A1018392, AA576672, H84975, A1929768, AW157282, AA599045, H77773, AA847622, AA828053, AA826320, AA598731, AC003982, Z84466, AC005102, AC003665, AC002350, AF126483, AC004752, AL022238, Z98257, AC005105, AL135783, Z98742, Z86064, AP000289, AP000042, AP000110, AC007537, AC005581, AC004685, AC005015, AB020868, AC006581, AL080243, AC004000, AC004797, Z82976, AC005971, AC006026, AC005280, AC005736, U47924, AC001234, AC004526, U93305, AL031905, Z83822, AL049874, AL023575, AF060568, AL022717, Z84487, AC006241, AC006011, AC007671, Z99916, AL031673, AP000350, AC005886, AF001549, AL049631, AC005031, U80017, AC007193, AC002477, AC005932, AC002470, AF198095, and AF091512.
HDPGI21	1705	760926	1 - 340	15 - 354	
HDPGI95	1706	919792	1 - 443	15 - 457	
HDPGL65	1707	666830	1 - 515	15 - 529	
HDPGM85	1708	783563	1 - 451	15 - 465	
HDPGO30	1709	780359	1 - 408	15 - 422	AA287508, W15561, and N80792.
HDPGO52	1710	852800	1 - 422	15 - 436	
HDPGP54	1711	464312	1 - 669	15 - 683	AL031123.
HDPGP75	1712	872249	1 - 409	15 - 423	AP000172, AP000057, AP000125, and AP000330.
HDPGT43	1713	495783	1 - 547	15 - 561	A1700109, AA468022, W60328, AC002470, AC005529, AC005666, AF055066, AC009516, AF053356, AL096791, AC007308, AC005940, U47924, AC005071, AC004638, AL022238, AC005690, AC005057, AL008715, AC005527, AC004263, AC004814, AC007919, AC005387, AC005829, AC000353, AF045555, U95740, AC005695, AF207550, AL022724, AC004156, AL031587, AC004921, AC009044, AL031295, AC005914, AF165926, AC007066, AC002378, AL136295, AC012627, and AC005694.
HDPGU50	1714	720595	1 - 330	15 - 344	

HDPGX44	1715	683277	1 - 454	15 - 468	
HDPHB75	1716	915912	1 - 127	15 - 141	
HDPHF59	1717	677172	1 - 211	15 - 225	
HDPHGG23	1718	416041	1 - 312	15 - 326	
HDPHGG42	1719	732133	1 - 602	15 - 616	AW408550, AW408705, AW407627, C18204, AW401857, AL031733, and AL137762.
HDPHGG89	1720	733198	1 - 588	15 - 602	AC005005.
HDPHH51	1721	921093	1 - 471	15 - 485	AA447601, A1769676, A1052170, A1383501, AA416632, T99484, AW237237, AA652361, AA652166, A1202729, AA115105, AA356475, AA828854, and AC005156.
HDPHI02	1722	919825	1 - 448	15 - 462	
HDPHI71	1723	760325	1 - 391	15 - 405	
HDPHJ36	1724	706624	1 - 301	15 - 315	
HDPHK96	1725	921957	1 - 815	15 - 829	AA654874, A1380617, AA780933, AW243945, A1355080, A1148557, AA564582, A1718462, AA445908, H73550, AA678616, A1683116, H67649, H48768, AA405549, AA297789, AA086257, AA936718, AA078754, AA599532, AL041682, A1924207, AL042230, A1912401, A1816058, A1732911, AA320105, W04168, AL041681, F35551, AW051819, A1858889, A1053784, A1569401, AA584207, AA878407, AA904211, A1270647, A1061168, A128969, H97379, AA669054, F31867, AA070330, AA558404, AA493947, AA302982, A1955360, AA471013, AA550757, AA345594, AA715955, A1053688, A1671077, AA425924, A1678992, A1792521, F32040, AW078821, AA572753, R99613, AW390284, A1347665, W81372, H68191, F25666, AA644223, AA460910, A1697425, AA581498, AA586433, F35674, A1472736, A1819262, N40092, H67064, AA019973, AA745552, AW440568, AA635413, AA013168, A1198718, AA460920, A1557422, AA678932, A1818545, A1753887, AA344768, AW081610, AA721523, AA461212, N86362, A1866580, N67313, A1701059, AA513884, AL134440, A1570237, A1620354, AA461223, A1889995, F35684, AA058312, AA420723, T17384, AA804334, A1133514, AA126814, AL040521, A1370841, AA831913, AW419389, A114557, AW275432, AA640310, AA515351, R93919, AL118912, AA652830, A1889579, N58505, AA487300, AW079737, AA601237, AA102737, AA249239, AL044177, A1002709, AA626595, AL121287, A1813783, AA568314, AA355128, AW019964, AL045423, AA504951, AA804297, AW023111, AA583132, T17332, AA551056, AA609826, AC004637, AL031984, AL022330, Z94160, AL133500, AC004032, AC002563, AL031775, AC010582, AL033380, AC006948, AC006276, AC004125, AC008119, AL031432, AC006023, AL031279, AE000662, AC006120, AC004111, Z83846, AL035682, Z98742, AL078638, AC002070, AL133244, AC004943, AL021939, AP000327, AC003108, AC006511, AC008149, AC007684, AC006241, AL021546, AC002303, AP000123, AP000055, D84401, AL132826, AL035588, AL031228, AL049911, AL022576, AL121578, Z70289, AR036572, U91328, U93305, AL049832, AC004601, Z97053, U52111, AC005220, AC002375, AL022721, AC004593, AC003683, Z95115, Z98048, AF196779, AC004820, AC007221, Z92542, AC005969, AC004465, AL050317, AC005495, X51956, AL117694, AC006512, AP000075,

					AC006390, AL022238, AC005215, AC007263, AL049749, Z84480, AC005684, AC002115, Z81008, AC002350, AC005355, AC006361, AL031728, AC006125, AC005487, AC007388, AL031311, Z94055, U47924, AP000496, AC005209, AL020998, AL109758, AC003684, AP000114, AP000046, AC010200, AC003965, AC005379, AL079333, AF196969, AC005225, AC005219, AC005726, Z85996, AC005187, AF015416, AC008989, AC004049, AL035703, AC007151, AC005288, AC005625, AC005568, AC003013, AL049576, AL049869, AC004762, AL031427, AC007663, AC010206, AC005553, AC007225, AF128893, AL109750, AP000049, AP000311, AC007387, AC006057, AL022332, Z69652, AJ012008, AC005061, AC007934, AC003665, AL132796, L31948, D87022, AC004663, AC006600, AL031055, AC004854, AL121588, AL022726, Z69922, AC005514, U63312, AL022395, AC002112, AL132800, AL031121, AL009172, AL117258, AC007279, Z82176, AC004963, AC006205, AC006039, AF047825, Z75407, AL049692, AL049570, AC002073, Z83851, AC007201, AC007358, U44106, AC007617, AC002045, AC005546, AP000504, AC004997, AC002481, AL035462, AC007649, AC004651, AC002314, AC015853, AL031587, Z93242, AC005324, AC004832, AL022069, AC010205, AC007540, X15943, X68793, AF199339, AL023879, AL023883, AC006536, AP000701, AL031258, AP000115, AC005081, AC000003, AL031289, AC005585, AC005939, AL022313, AC004923, AC002455, AC005094, AL135746, AL009181, I34294, AC005391, AF030453, Z84487, AP000304, AC005049, AC005690, AC005728, AC005015, AL022326, AC003010, U73169, AL031665, U93036, AC002385, AJ011931, AC005284, AC004019, AC005082, AC006480, AC007023, L43411, AL035416, Z82244, AF111169, Z93023, AF024534, AC004257, AC004760, AC004262, AJ239318, Z84474, AC005839, AL031664, AC004821, and Z70288.
HDPIA15	1726	772020	1 - 588	15 - 602	AI635582, and AL049766.
HDPIC37	1727	954869	1 - 680	15 - 694	AI470828, AA888031, AL120421, AA229902, AA281976, AA204701, AA424801, AA410294, AA435831, AA397595, and AB002334.
HDPID10	1728	928163	1 - 547	15 - 561	H78846, R97122, AA331528, T85509, AW362954, AI193875, AW362978, AI193991, AA699647, AW362953, AI033788, AW363023, and AC005412.
HDPID37	1729	868169	1 - 554	15 - 568	
HDPIE42	1730	713081	1 - 389	15 - 403	
HDPIF86	1731	591540	1 - 488	15 - 502	
HDPIH48	1732	677664	1 - 511	15 - 525	AL120078, N28989, AA206257, AW378916, AL117258, and Y18483.
HDPIP26	1733	681519	1 - 515	15 - 529	AL022316.
HDPIQ55	1734	961163	1 - 458	15 - 472	T84946, AL047527, AL047528, and AC002394.
HDPIQ65	1735	747791	1 - 426	15 - 440	T81944, T79115, and H63342.
HDPII53	1736	926498	1 - 371	15 - 385	AI732675, AA469134, and AA420876.
HDPIT61	1737	741724	1 - 408	15 - 422	AC004126.

HDPJA04	1738	628745	1 - 318	15 - 332	AW245495, AL046917, AW402628, H91107, AR012155, AB018357, and AB026628.
HDPJA26	1739	767110	1 - 455	15 - 469	AW161353, AW161055, AF150432, AL136504, AF189723, AF181121, AF181120, and M93017.
HDPJB08	1740	921453	1 - 403	15 - 417	
HDPJH05	1741	911170	1 - 2858	15 - 2872	AA905416.
HDPJK06	1742	852781	1 - 438	15 - 452	AI928173, and Z95115.
HDPJK73	1743	765446	1 - 403	15 - 417	
HDPJN68	1744	752907	1 - 314	15 - 328	T34282, T18874, AA983199, AI491817, AA579179, AA630672, AA010299, AI818231, F05641, AA425118, R12156, H15474, AI207363, AA513893, AL041373, AL041526, AL041527, F13380, AA410788, AA584170, AW022608, AI733856, AI056177, AA506744, AC005411, AC002431, AC009516, AC006552, AC006390, AL031432, AC004983, AL031283, AC005046, AC005953, AP000348, AB000931, AL035420, AL049830, AC006501, AC005756, AL031279, AB009667, Z83845, AL022237, AC004841, AC006312, AC005800, AC004812, AC002550, AC006313, Z69706, AC004534, AL078638, AL117694, AL022316, AC005071, AC002549, AC002070, AC006012, AC005305, AC012384, Z83856, AC003029, AL031466, AC007842, AF088219, AC012627, AC004675, Z84469, AC005759, AC006117, AC006480, AC002996, Z84483, AL031680, AC005837, AL133396, AL122020, AC005412, AC006120, AC005703, AC008975, AC004985, AC003080, AC005670, AL137191, AB023049, AL031591, AC006371, AL023913, AC002525, AF114156, AC005520, AP000281, AC004552, and AC007435.
HDPJO40	1745	711003	1 - 359	15 - 373	AA578690, and T05118.
HDPJP32	1746	918630	1 - 476	15 - 490	AF104015.
HDPJP79	1747	538038	1 - 465	15 - 479	AI110883, and AC002476.
HDPJR11	1748	965011	1 - 329	15 - 343	AW204366, AA865368, AA442937, AA436769, and AW197446.
HDPJU86	1749	785391	1 - 743	15 - 757	AI703393, AI656220, AI457528, AI214558, W15512, AA888880, W39617, AA995374, N56658, AI202894, N47548, AI916559, H06953, R54815, R45929, R45928, T27096, AI203071, AA782845, Z41377, F04514, N30325, and N47547.
HDPKD52	1750	959653	1 - 1159	15 - 1173	T20100, and AC003070.
HDPKD82	1751	778970	1 - 374	15 - 388	
HDPKI40	1752	710991	1 - 355	15 - 369	
HDPKK25	1753	677921	1 - 551	15 - 565	AL031668.
HDPLB25	1754	965139	1 - 430	15 - 444	H47933, N99775, AW391235, and R58738.
HDPLC45	1755	909091	1 - 816	15 - 830	AI445866, AI816830, AA639828, R41845, AA258158, Z41214, H06057, F02752, T11904, and AL050333.
HDPLC60	1756	740144	1 - 382	15 - 396	
HDPLD11	1757	966610	1 - 430	15 - 444	AL120898.
HDPLD29	1758	690409	1 - 431	15 - 445	
HDPLD57	1759	734528	1 - 412	15 - 426	

HDPLD89	1760	786704	1 - 421	15 - 435			AA181731, AI343501, AL137607, AF109219, AB030280, AB030279, AB030316, and AB030312.
HDPLE38	1761	706639	1 - 345	15 - 359		R58132.	
HDPLE63	1762	703477	1 - 433	15 - 447		AA642326, AI267274, AI183572, and AB020719.	
HDPLE75	1763	852685	1 - 447	15 - 461			
HDPLE88	1764	625293	1 - 323	15 - 337			
HDPLE96	1765	915966	1 - 437	15 - 451			
HDPLF86	1766	785316	1 - 619	15 - 633		AA181731, AI343501, AL137607, AF109219, AB030280, AB030279, AB030316, and AB030312.	
HDPLG10	1767	964213	1 - 402	15 - 416		H45885.	
HDPLJ28	1768	840111	1 - 145	15 - 159		AW085622, AW135279, AA779541, AI627872, N51608, AA382892, AI272986, AA416724, AL045453, AI440260, AW082088, AI249877, AI589428, AL037602, AL046466, AW029611, AW104141, AI921379, AW089351, AI280751, AI285432, AI873923, AI590043, AW075522, AI680066, AL037582, AI347701, AW129106, AW172981, AW079119, AI956086, AI797908, AI698391, AI273901, AI537244, AI500504, AW074763, AI866503, AI673363, AI673278, AW051088, AW193231, AI432644, AW020397, AW074172, AI345415, AI889189, AI472566, AI633125, AI538564, AI815232, AI915291, AI491710, AW152182, AA928539, AI521799, AI884318, F27788, AW006032, AW130134, AI559524, AW087455, AW080746, AI345688, AI582912, AW163554, AI522052, AI697207, AA019328, AI859991, AI610690, AI249257, AI951868, AI963625, AI241744, AA862606, AI579901, AW105383, AI499890, AI866801, AI432030, AW104827, AI096481, AI580694, AW083374, AI500714, AI690748, AI670009, AI376872, AI679796, AA2279795, AA580663, AI559555, AI890533, AI633062, AW148408, AI818683, AW104724, AI612852, AI922707, AI573032, AI962858, AW167083, AI583065, AI537024, AI648567, AI570909, AI435268, AI378080, AI538885, AI269862, AI538716, AW104062, AI636309, AI679672, AI580435, AW150225, AI631095, AI538850, AI362248, AI580451, AI312542, AW191844, AI684305, AW303089, AW131139, AA641818, AI559619, AI921464, AI267185, AW170673, H89138, AI523964, AW265004, AI961393, AA693331, AI624084, AI611743, AI912356, AW081322, AI621341, AL041105, AI452560, AL047344, AI687295, AI799313, AI366900, AI540674, AI473536, AA761557, AI866469, AI564723, AL048656, AI446124, AW151847, AI803778, AI016107, AI567883, W74529, AI690312, AI688858, AI677777, AW075669, AI702073, AI800473, AI371251, AW130681, AI263312, AA420722, AI536685, AI798456, AI678446, AW075305, AW192461, AI433157, AI952493, AI811840, AI002285, AI433994, AI866465, AI540458, AI799674, AI811644, AI564719, AW082607, AI254731, AI685005, AI469532, AI918809, AI887569, W48671, AI570807, AI352274, AW083778, AI345612, AI357599, AI862139, AW193038, AW081653, AI921176, AI683173, AI345416, AW129722, AI564500, AI679800, AI581033, AI291601, AI433600, AI909697, AI802542, AL048312, AL134712, AI619502, AI609580, AI627988, AI628015, AW021717, AI567846, AI682971, AL119828, AA744557, AI591387, AW128841, AI587606, AI241923, AA768478, AW169784, AI500061, AI933992, AW085786, AI280637, AW078895,	

					AI469505, AW021373, AI863241, AI590021, AI537261, AI677797, N98597, AI623682, AI312210, AI582932, AI924713, AI567993, AI137429, U35846, AI122100, AI137533, AF177401, I48978, AI022147, X72889, AI050277, AF125575, AI133049, X53587, AC003032, AI137521, X53777, A65341, I48979, AI137529, AI137463, AI133557, AF061981, Z97214, L04849, AF102578, AJ005690, AI133112, AL078630, AL050149, AC006112, Y18680, AL080159, AI137488, AL049452, A49139, X93495, A93914, A08910, I28326, AC006288, AF087943, A08909, I08319, A08913, AR038854, AI8777, A77033, A77035, A08908, AF130342, AI133113, A08912, AB016226, AI137478, X65873, I00734, A76335, AF141289, Z82022, E00617, E00717, E00778, AI133010, AF032666, AI122110, AF090943, AI137547, S68736, AI133031, Z82206, A08907, S78214, AL035067, AI133637, AF111851, AI137547, S68736, AI133031, AL080110, I89947, AL080074, AL031346, I89931, AL080124, AF113694, Y10936, AI137523, AL050172, E12806, AI137459, I89944, I89934, I32738, AF137367, I49625, X79812, Y11254, AF079763, AF153205, AL050116, A08911, AF139986, AI110269, AI8788, AR068753, A21103, S76508, S36676, X80340, AC004686, AF183393, AI137574, AC006197, AI137275, AI137480, AR038969, L24896, AP000083, AL049283, AI122050, AI110221, AI117457, AI133568, AI122118, AF180525, AF106657, X83508, U95114, AI137550, A08916, AL035407, S77771, AF113019, AF076633, AF106697, AF104032, U72620, A58524, A58523, L04859, AF162270, AI5345, AF026816, X82434, AF090934, AF067728, AI137560, D89079, AI117416, X92070, M96857, AL080156, U80742, Y07905, AF038440, AI110218, AI17115, AI8079, E15569, AI137539, U54559, L19437, AI117460, Z37987, S69510, AI110225, AL080148, AI137641, L04504, S71381, AI137276, S61953, AF078844, AF161699, AF082526, AF131773, U58996, AF031147, AF017790, AF047716, AF061795, Y14314, AF151685, AL096744, AL050108, U49434, A52563, AB029065, AF000145, U88966, E08516, AI137537, AI137627, AR020905, AI137556, AF031903, S78453, Y16645, A86558, A65340, AF118070, A83556, L30117, and M85164.
HDPLK49	1769	835603	1 - 275	15 - 289	AI239321, and AP000542.
HDPLN06	1770	935010	1 - 422	15 - 436	
HDPLN76	1771	921700	1 - 391	15 - 405	AA481295, AA213873, and AF001549.
HDPL050	1772	724098	1 - 714	15 - 728	AA355040.
HDPLT29	1773	958196	1 - 204	15 - 218	
HDPLV74	1774	765334	1 - 467	15 - 481	AL034375.
HDPM448	1775	582015	1 - 829	15 - 843	AI760818, and AI769951.
HDPMC49	1776	852767	1 - 1468	15 - 1482	
HDPMF53	1777	733466	1 - 384	15 - 398	R60108, AI914747, W89152, AI371165, AW102980, H71659, U07562, AC002073, AL049576, Z95115, AC005832, AL009174, AC002551, AF110324, Z99291, AC002365, AL035659, AC002132, AC005015, AC004779, AC007151, AC004672, AL035405, AC007207, AL031713, AC004953, AC007011, AF111168, AL008726, AC002994, AF064860, AC006064, AC006430,

						AC004472, AL031276, M31951, and AC000394.
HDPMH83	1778	661316	1 - 567		15 - 581	AB001535, AP001064, and AP001063.
HDPMJ93	1779	852763	1 - 571		15 - 585	
HDPMO62	1780	912722	1 - 570		15 - 584	
HDPMP25	1781	678068	1 - 588		15 - 602	
HDPMQ34	1782	956248	1 - 417		15 - 431	AA678970, AA515440, AI110760, AA680243, AA679936, AI633479, AI732120, AC005919, AC004382, AC008072, AF196969, L44140, AC005722, AC006285, AC005881, AC002470, AF109907, AC004655, AC002077, U63721, U95739, AC005244, AP000114, AP000046, U62293, AC004531, AC009516, AL022324, AC005037, AC007386, AC005057, AB022785, AC008989, U62292, AC004854, AC005225, AC005740, AC004526, AC004253, AC005776, U78027, AL031283, AC006576, AC004876, AL021155, AL049776, AC005695, AL021407, AC020663, AL022312, Z98200, AL035422, AL139054, AP000065, AC002310, Z93023, AC004815, Z98051, AC005180, AL049760, AP000553, AL022336, AC007387, AC005920, AC005280, AC000353, U52111, AF134726, AC005215, AC000159, AF165926, AL033527, AL049692, AL135744, AL031311, AC004477, AC005015, AC004448, AC006026, AC007637, AC002404, AC006088, AC007225, AC005565, AC006539, AC007919, AC005846, AF047825, AC004858, AC000134, AL031985, AL132987, AC005821, AC005839, AL008582, AC004067, AC004651, AC005899, AC007388, AC005562, AC007773, AC005486, AC006571, AC016025, AC004851, AC004383, AL133243, AL133245, AL035683, AF053356, AL031680, Z86061, AC004895, AL024507, AC009044, AP000555, AL035458, AC005837, AL022163, AC005071, Z93020, AL008635, AC005480, AC005552, AF152363, AC005484, AC002059, AL023553, AC005399, AC004223, AF205588, Z84487, Z98743, AC004821, AF207550, AC002115, U95742, AL031432, AC004813, AC007845, AC005682, AL096791, Z95329, AC005479, AC006251, AP000350, AL009181, AC006388, AC008372, AC002418, AL049871, AC007216, AC005500, AC006254, AL049829, AL132777, AC002565, AP000302, AC003957, AC006115, AC005189, AP000493, Z94056, AC003695, AC006120, AL022721, AL023653, AC007536, AP000503, AL049780, Z83840, AC007055, AC005907, AC005859, AC000026, AC005755, AC012627, AC005609, AL031666, AC004882, AL049636, Z95115, AC004525, AC004601, AC002492, AF196970, AC007686, and AC005632.
HDPMS42	1783	713759	1 - 460		15 - 474	H84948, R88291, AW014470, AI810506, R85497, C15173, AA704157, AA286825, D81736, and N93232.
HDPMV53	1784	697470	1 - 535		15 - 549	F09050, AA243386, C14449, AB007944, AF109076, AP000310, AC002301, AP000116, and I77096.
HDPMW22	1785	665153	1 - 452		15 - 466	AA447328.
HDPMZ01	1786	916447	1 - 635		15 - 649	AA418623, AA418556, AA253164, H11871, and F05796.
IHDPN A03	1787	924082	1 - 97		15 - 111	AC005913.
IHDPN C96	1788	934520	1 - 720		15 - 734	AA256100, and AB023182.

HDPN35	1789	973108	1 - 453	15 - 467	
HDPN60	1790	974827	1 - 977	15 - 991	AL138082, AW246260, AW247807, AW246149, A1878829, AW403641, R07062, AA687496, AW403272, AA687440, AA852531, A1659057, A1079775, AW005562, AF197060, AB009346, AB038365, AB038364, and U58884.
HDPN103	1791	924081	1 - 512	15 - 526	AA883801, A1298498, N85346, and AA249868.
HDPN114	1792	767447	1 - 308	15 - 322	
HDPOC44	1793	707241	1 - 660	15 - 674	AA360824.
HDPOD96	1794	939770	1 - 264	15 - 278	
HDPOF25	1795	852745	1 - 484	15 - 498	AC003109, Z97055, and AC005630.
HDPOI52	1796	927699	1 - 884	15 - 898	A1493647.
HDPOI93	1797	792193	1 - 378	15 - 392	
HDPOK47	1798	973097	1 - 388	15 - 402	
HDPOL60	1799	767953	1 - 170	15 - 184	A1205285, A1264338, R48389, T57897, AA191491, R61591, A1365411, AA779717, AA227325, and AF056312.
HDPOL66	1800	681391	1 - 424	15 - 438	AA909852, A1718702, AA830158, AA281962, AA283111, AA579393, AA814111, AA480552, AA477445, A1791799, AA807056, AA469312, AA653189, AW451366, AA814853, A1598013, Z84489, Z84814, Z84477, and AF060863.
HDPOX65	1801	674963	1 - 283	15 - 297	AF001548.
HDPOY33	1802	702285	1 - 208	15 - 222	
HDPOZ51	1803	926977	1 - 417	15 - 431	A1014353, AA592982, and R17976.
HDPPA66	1804	870840	1 - 518	15 - 532	T99407, and T97870.
HDPPC83	1805	683656	1 - 403	15 - 417	
HDPPD59	1806	708334	1 - 223	15 - 237	
HDPPG35	1807	579315	1 - 538	15 - 552	A1767219.
HDPPG86	1808	923846	1 - 328	15 - 342	
HDPPK33	1809	666510	1 - 557	15 - 571	AA528168, AA417878, N75120, AA688401, A1689902, N59545, N59559, N78301, AA426418, AL037450, AW016155, and AA610394.
HDPPPL30	1810	692095	1 - 581	15 - 595	A1453210, AA578690, A1950963, T05118, A1537407, AF036405, AC004408, AC007686, AC005666, AP000065, AC004985, AC005800, AP000347, AL049836, Z99716, AC005412, AF202321, A1229041, AL035458, AF107045, AC006006, AC000025, AL110502, AL050341, AC004491, AC005527, AC004686, AL035587, AC009247, AL031668, Z97876, AC007390, AF196969, AC008394, Z82188, Z95114, AC005789, AL078639, AC005529, AF111167, AL031295, AC010205, AL096791, AC004382, AC002300, AL132987, AC005907, AC005409, AC007731, AC006455, and AC005500.
HDPPM09	1811	625281	1 - 516	15 - 530	AF041248, AF041249, and AF058759.
HDPPN33	1812	958993	1 - 136	15 - 150	

HDPPN59	1813	909867	1 - 711	15 - 725	AA781406, AA304143, and AI079221.
HDPPQ88	1814	963382	1 - 629	15 - 643	
HDPPP24	1815	812091	1 - 543	15 - 557	AA082133.
HDPPQ39	1816	712993	1 - 463	15 - 477	AI951092, AP000555, Z98304, AL024474, AL035464, and AC004655.
HDPPU30	1817	671973	1 - 327	15 - 341	AL022238.
HDPPU44	1818	951276	1 - 437	15 - 451	AI741964, AA361063, and AR035946.
HDPPW36	1819	785239	1 - 392	15 - 406	N25176, AB013139, AC004612, AF069291, and AF049895.
HDPPX43	1820	674958	1 - 291	15 - 305	
HDPQA91	1821	973075	1 - 799	15 - 813	AL134920, AW392670, AL119355, AW384394, U46341, AW363220, AL119443, AW372827, AL119341, AL119497, AL119319, AL119457, AL042542, AL119324, AL119335, AL119396, Z99396, U46347, AL119399, AL119484, AL119363, AL119391, U46350, U46351, U46349, U46346, AL119444, AL119483, AL037205, AL042433, AL042614, U46345, AL134524, AL119439, AL119522, AL134902, AL134527, AL042975, AL119496, AL042450, AL042965, AL119418, AL142131, AL042984, AL042544, AL042980, AL042970, AL043019, AL043029, AL043037, AL042978, AL079683, AL043011, AL043033, AL042551, AL043003, AL119464, AL119320, AL119488, AL042850, AL043039, AL043008, AL042973, AL042428, AC006238, AB026436, AR054110, A81671, AR060234, AR066494, AR069079, and AR043113.
HDPQC21	1822	786516	1 - 347	15 - 361	AA844106.
HDPQC83	1823	830539	1 - 465	15 - 479	
HDPQJ45	1824	928430	1 - 309	15 - 323	AI708005, AI001764, H78032, N67343, AA302697, AI270524, AA086150, AW157492, AA338167, AA338659, AI634691, AI678785, AI879394, AA449710, AI591375, R65651, AA855056, AI932600, AA845700, AA095637, AI053911, AF034194, AF037630, AI858864, AA074342, AW302724, F17142, AA847702, AA722297, AA679538, AI921043, AL042927, AI355414, AI932932, AA746726, AA287339, AA719073, AI733856, AA961035, AA077401, AI054414, AA737321, H64265, AA747009, N55515, AI798493, AA083215, R88067, AA365815, H11824, AA828062, AA503587, AI817230, AI922930, AW089898, AI494417, AI732789, AA493110, AA569786, AW069227, AI307565, AA381138, AW081303, AA630535, T47324, H69089, H65109, AA608715, AI634187, AA568494, AA605201, F36184, AI457313, AA587991, C15060, AA837035, T35761, AA833896, AA833875, H83470, AW270784, T51005, AI206669, AW302017, T52857, AI348678, AI367473, AI002708, AI916218, AC007536, AC005771, AC005340, AC005953, AL049773, AC002072, AC006972, Z93848, AL008716, Z70280, AC010382, AC004896, AC005050, M87898, AI010770, AF092858, AF116241, U51280, AF001551, AC004882, AC007999, AC007199, AL034375, AL021154, AL117352, AL031311, AC006120, AC009336, AC001228, AC006953, AL080242, AL078477, AC003086, AC005529, D63861, AC004799, AL020998, U07563, AC004584, AC009247, AP000356, AC004821, AC004098, M87926, AL023882, AC005933, AC006958, AL078584, AB023049, Z82214, Z84572, Z97181, AC006011, AC007559, AP000512, AL137430, AC004796, Z46936, AL117330,

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HDPQL15	1825	789876	1 - 415	15 - 429	
HDPQL64	1826	746043	1 - 394	15 - 408	
HDPQL72	1827	760934	1 - 382	15 - 396	W73902.
HDPQN03	1828	923168	1 - 437	15 - 451	
HDPQO40	1829	949723	1 - 1727	15 - 1741	AI680867, AA973037, AA868809, AW291165, AW169977, AA459970, AA235170, AA460062, AA235071, AA811821, AA234899, AW243583, R50382, T19463, R47735, AA765007, and AA748788.
HDPQO77	1830	739816	1 - 363	15 - 377	
HDPQR31	1831	741278	1 - 422	15 - 436	AC003695.
HDPQU30	1832	768771	1 - 464	15 - 478	
HDPQV63	1833	744471	1 - 307	15 - 321	H09185, F12161, T75262, and T65253.
HDPRE08	1834	958933	1 - 661	15 - 675	H00911, H84847, and AP000404.
HDPRE10	1835	961306	1 - 400	15 - 414	AC005105.
HDPRG09	1836	828572	1 - 366	15 - 380	AI653128, AA608839, AI082182, AA294981, AW451945, AA361764, AI610135, AW402400,

HDPRH02	1837	919404	1 - 777	15 - 791	AA926743, AA759066, AA287428, AL039683, and AB033038. AI348070, AI373167, AI378134, AI553832, AI816769, AA804474, AI401522, AA887492, AI084865, AA741486, AI796192, AA913644, AW071892, AI942465, AW007026, AA279724, AI381670, AI292178, AA279692, AI291674, AW291184, AW298288, AW452501, AI224978, AI301454, AA913182, and AI378100.
HDPRH59	1838	739077	1 - 604	15 - 618	AA213441, and AF017714.
HDPR139	1839	773790	1 - 392	15 - 406	R45733.
HDPR158	1840	724652	1 - 370	15 - 384	AC005803.
HDPRN15	1841	577985	1 - 439	15 - 453	
HDPRP29	1842	690399	1 - 606	15 - 620	AI174237, and AA019204.
HDPRP83	1843	773394	1 - 452	15 - 466	AC006213.
HDPRS79	1844	774077	1 - 288	15 - 302	AW236973, and AI521731.
HDPRY05	1845	958822	1 - 455	15 - 469	
HDPRY33	1846	893790	1 - 555	15 - 569	AI984149, T83298, T90781, AI598260, R94426, T80416, and Z97352.
HDPRY70	1847	677782	1 - 330	15 - 344	AW027929, AI672172, AW027716, AI313156, AI831852, AI738441, AI816795, AI990910, AI824006, AI961202, AI566917, AI394023, AW241527, AI693976, AI985370, AI384116, AI333382, AI768254, AI366852, AI337214, AI264540, and AC004917.
HDPSC55	1848	731496	1 - 308	15 - 322	AI815715, and AB028996.
HDPSG10	1849	961323	1 - 443	15 - 457	AA310474, and AI831536.
HDPS184	1850	782867	1 - 409	15 - 423	RI6664, T82134, and AL031133.
HDPSM07	1851	620372	1 - 587	15 - 601	N59251, AA504245, AI679277, AI922887, AI161077, AI767882, AW337496, AW138439, and AI679851.
HDPSO36	1852	959141	1 - 418	15 - 432	AI521731, and AW236973.
HDPS57	1853	734507	1 - 563	15 - 577	AW264023, AI193596, AI276007, AI828424, AI342582, AI291713, AI140006, AI858631, AI500563, AI914656, H81012, AA847341, AA828840, AW339694, AI570067, AA873661, AA593168, AW238423, AW085626, R79396, R91350, AW243516, AW059706, AA947352, AA364082, AW028376, AI281622, AA632355, H83558, AA640563, AI760575, AI446618, R00693, AA364147, AI904126, AA991640, AW022796, AA515727, AI282322, AA420531, AA657834, AI003620, AI572680, AA493814, AI268465, AI814863, AA359194, F34164, AA310753, AW166996, AI500315, H57802, AA419014, AA502862, AL031427, AC003029, AF111168, AC006079, AC006071, AC004996, AL021546, AC005520, AC004233, AL021937, AL050318, AC005914, AC007314, AL021331, AC008372, AL133245, AL121653, AC002351, U07000, AL079304, AP000503, AC002425, AC005581, AF134726, AC006160, AL031255, AL049872, Z97056, AC004081, AC005911, AL034420, AL034371, AL050338, AC004126, AL035422, AC002094, AF195658, AC006285, AC005585, AL121658, AL133448, AL022165, AC007066, AC004801, AC005800, AC004099, AL031121, AC004893, AD0000864, AF038458,

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HDPSU54	1854	670838	1 - 347	15 - 361	AL043945, AF159295, and U64205.
HDPSV04	1855	614924	1 - 410	15 - 424	
HDPSV29	1856	690415	1 - 423	15 - 437	AA403069, AW410514, AI751649, AA486011, and AA099117.
HDPSY30	1857	691778	1 - 342	15 - 356	
HDPTC31	1858	878639	1 - 355	15 - 369	D86967.
HDPTJ25	1859	706448	1 - 365	15 - 379	AW084431, AA279385, R70884, AW272389, AA984920, R70883, F33820, AA158549, AA158550, AA092704, AA126271, H81732, T52745, AW071109, AI469468, AI627917, AI298079, AA229159, AI567391, AL041682, T98915, AA425924, AL047480, AA381775, AI564215, AA582746, F23268, AI279417, AL041681, AI078409, AA932787, AA948727, AA523695, W81372, AA808847, R99613, AL044489, AA197019, C75139, R09127, AI204309, AL047645, AI928890, AI921348, AW316599, AA015948, AW132065, AA558404, AA458534, AA977419, AA772704, AA515631, AI613465, AI242614, AW193523, AA572824, AA568307, AA746939, AA526413, F07564, AA070462, AA487300, R98409, AI933478, AA830615, AA744021, AI749306, AI345497, AA334091, AA837529, AW055286, AI630894, AA904211, F33126, AA743794, R87135, AA074252, AA811954, T08205, AA831638, N92697, AA371003, H62923, AA548221, R96427, R48980, AI859906, AW023515, H71659, AI289050, AA890060, AA303165, AI284092, AW151761, H73550, AI587349, AI565445, AI668566, AA504892, AA372293, AI800345, AA730488, R98835, AW265126, W23432, AA604515, AA720582, AA782322, AL037777, AW265688, AW118963, H48768, AI476460, AI249688, AA669747, AI275982, AI686563, AI954464, H73306, AI360504, AA230155, AI692245, AI818702, AI096714, AA077637, AA515160, AA973971, AI811319, AA572813, AW083706, W42587, AA831801, AI929298, R29092, AA652830, AA320105, AA309457, AI929825, AA506952, U46402, AI188049, T05276, AW151541, AW169390, N30650, AI733523, AA620498, AI459733,

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				AA255804, AW274671, AW450051, AA256697, AA810976, AA731140, AA831863, AA737424, and AA761219.
HDPTJ79	1860	669209	1 - 1017	15 - 1031

HDPT071	1861	760142	1 - 662	15 - 676	AW131249, AL048534, AI783898, AA504896, AA668340, F17149, AI700109, AW277171, AA468022, AI309643, AI110595, AC008122, AB023048, AC002350, AC005837, AB001523, AF053356, AC005874, AF134471, AF111168, AL035450, AC007227, AC006077, AC005242, AC005197, AC002369, AL034423, AC005529, AC000353, Z82206, U66059, AP000356, AC005363, AC004643, AC004149, AC002558, Z81314, AL049748, AC005409, AC002312, AC007382, AC007955, AC020663, U91327, AL096791, AP000689, A1250235, Z98257, AC004447, AC006011, AP000557, AC005747, Z84476, AC007934, AF031078, Z93928, AC006285, AC004598, AF030876, AC007787, AP000141, AC005952, AC006039, AL133448, AL109627, Z93017, AC006966, AP000088, U73479, AC005695, AL096710, AP000036, AC006480, AC005411, AC006029, AL049832, AC005399, AC007536, D87675, AP000688, AC005570, L78833, AL031255, AL031286, AC009516, AC000025, U73636, AC000081, AL080243, AC005696, AC005257, AC007387, AC002378, AC006544, AL049776, AL049845, AC005512, AC005913, AC007226, AC005081, AP000692, AC006512, AC007022, AL096775, AL031662, AF064861, AC007919, AC003982, AC007845, AP000355, X69907, AC005015, AL008712, AC002059, AC006137, AC007051, AC006071, AL022163, AC004634, AC007040, and Z98752.
HDPTP07	1862	741632	1 - 355	15 - 369	AL079725.
HDPTS95	1863	906940	1 - 489	15 - 503	AW298312, AW298314, and AB033097.
HDPTT20	1864	669029	1 - 316	15 - 330	Z84488.
HDPTU30	1865	691181	1 - 343	15 - 357	AL049795.
HDPTU66	1866	697690	1 - 374	15 - 388	
HDPTU95	1867	876582	1 - 312	15 - 326	
HDPTW90	1868	722699	1 - 565	15 - 579	
HDPU28	1869	852687	1 - 252	15 - 266	AI417133.
HDPUF77	1870	769852	1 - 246	15 - 260	
HDPUF94	1871	861520	1 - 438	15 - 452	H82937, AA418494, AA418396, AI064869, AW051301, T84203, F18098, AA846353, AA767276, T11545, H58588, T82034, AI609370, AA594971, U80017, AC002527, AC002302, AC004799, AC003010, AC004821, AC005011, AC005225, AL023755, AP000962, AC005071, Z80902, AP000502, AC002326, AF134726, AC005329, AC005031, AL133355, AC004922, AC004491, AC004839, AC004143, AC004976, AC004125, AC005564, AC002132, AC007151, AC002549, AL034419, AL009031, AC005763, AF024533, AC008015, AC005899, AL035685, AB026906, AC005162, AC006014, AC007546, AC006251, AC002301, AC002112, AC005015, AC007225, AL023807, AC003048, AC004878, Z97200, AC005488, and AC005764.
HDPUG06	1872	968313	1 - 459	15 - 473	AC002091, and AC003695.
HDPUQ02	1873	973235	1 - 683	15 - 697	AC006238.
HDPUS62	1874	604483	1 - 365	15 - 379	AI500481, F06397, AW148768, AI681168, N36045, AI133235, AA491120, R18846, T90676.

					AA054341, AL039390, AL046681, AI890907, AL046137, AI249936, AL044204, AI049726, AA598862, AL042551, AI672187, AL045166, AI431235, AI888022, AW151136, AL120789, AI932620, AW058275, AI866484, AL042009, AI366900, AL047188, AL135730, AI689247, AI623302, AI884585, AI538615, AI431307, AI431316, AI431238, AI924051, AI920975, AI866786, AI431315, AI682915, AI866465, AI815232, AI801325, AI866691, AI500523, AI538850, AI887775, AI582932, AI590043, AI872423, AI923989, AI284517, AI500706, AI491776, AI445237, AI926593, AI289791, AW151138, AI889189, AI521560, AI500662, AW151974, AI285417, AI284509, AI582912, AW172723, AI539800, AI499512, AI889168, AI538885, AI440263, AI927233, AI866573, AI633493, AI434256, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI872310, AI888118, AI285439, AI859991, AI436429, AI355779, AI889147, AI623736, AI581033, AI371228, AI491710, AI440252, AI872315, AI440238, AI432656, AI567971, AI860003, AI610557, AI242736, AI539260, AI828574, AI887499, AI539781, AI702065, AI539707, AI885949, AL133074, Y17793, AL133076, AL133053, AL133049, and AL133078.
HDPVD09	1875	774165	1 - 723	15 - 737	
HDPVE36	1876	706712	1 - 546	15 - 560	AA256770.
HDPVG11	1877	966556	1 - 910	15 - 924	AW068637, AI003761, AI039369, AI380538, and AL137555.
HDPVH13	1878	656711	1 - 581	15 - 595	W26587.
HDPVL94	1879	927023	1 - 463	15 - 477	Z81450, and AC004652.
HDPVQ96	1880	796133	1 - 389	15 - 403	AA777374.
HDPVR71	1881	740340	1 - 850	15 - 864	AA082562, and AC007899.
HDPVU35	1882	852616	1 - 623	15 - 637	
HDPVV46	1883	718160	1 - 399	15 - 413	AB002344.
HDPVV95	1884	582503	1 - 351	15 - 365	
HDPVW13	1885	656715	1 - 585	15 - 599	AC006207.
HDPVY53	1886	727593	1 - 317	15 - 331	AA948370, AC005390, and AB023180.
HDPVY58	1887	710458	1 - 365	15 - 379	AL038081.
HDPWA55	1888	963474	1 - 408	15 - 422	AC006966.
HDPWD25	1889	677764	1 - 500	15 - 514	
HDPWE80	1890	909916	1 - 932	15 - 946	AA172104, AA232124, AI986306, R58806, AA081848, and AA232093.
HDPWE88	1891	857980	1 - 427	15 - 441	R18560, R13864, Z41866, AA333327, AA016124, AF107834, AF119386, AF097723, AF009513, and AF107835.
					AI758788.
HDPWH10	1892	967692	1 - 472	15 - 486	
HDPWN34	1893	703814	1 - 451	15 - 465	AA714632, D45305, AA307780, and AI923248.
HDPWY46	1894	915964	1 - 462	15 - 476	AL120101, AW246324, AF034175, AI460387, AW401572, AA338094, AA348155, AA316673, AA337791, R59433, U46268/AW402296, AA955027, AA393071, AF061738, AC006160, and

					S65367, AF004231, AI697586, AA115345, N51515, AW297689, AA115304, N51527, AI925591, and AL080209. AA789296, and AI420081. T62674. H72530, AI207465, W52505, AI311647, AA174017, N72717, AA007673, N68472, AA773302, AA174016, AA223762, AI371165, N71291, AI457389, AL121782, AL008718, AC005833, AC004531, AC002369, AC005759, AL049757, AP000533, X77737, Y12851, X77738, L35930, AL031672, AC009336, AF109907, AP000553, AC007022, AF157814, AC004813, AC010205, AC005066, AL034552, AF001552, AC002395, AC005291, AC005789, AC000159, Z98941, L78833, AC003102, AL031591, AC000067, AC000093, AC007243, AF053356, Z49258, AC002375, AC006121, AC004828, AC006236, AC006388, AC005305, AC001231, AC006001, AC002086, AL008712, AC005695, AL050321, AL049544, AL035420, AC000105, AC006543, AC005664, AL022336, AC005911, AF111168, AC004805, AC006547, AC007533, AB014084, AC004659, AC006544, Z95118, AC004032, AL132992, AC004752, U07000, AL117258, AL031680, Z98742, AC004966, AF006487, AP000501, and AC003983. N46466, AI337376, W86648, AA522544, AI279721, AI341807, AI651516, AI245138, AI262580, and W86523.
HDPXE68	1895	852626	1 - 635	15 - 649	
HDPXF52	1896	726450	1 - 440	15 - 454	
HDPXL59	1897	615543	1 - 568	15 - 582	
HDPXL68	1898	707532	1 - 830	15 - 844	
HDPXP04	1899	614895	1 - 745	15 - 759	
HDPXU29	1900	852638	1 - 519	15 - 533	
HDPXW75	1901	951320	1 - 771	15 - 785	
HDPXX01	1902	915914	1 - 392	15 - 406	
HDPXZ92	1903	743429	1 - 673	15 - 687	
HDPYC51	1904	919000	1 - 333	15 - 347	AA831180, AA593812, AI608672, AA877902, AA845911, AW136605, AA831016, AW139428, AI920936, AI421209, AL138419, AL138420, W70159, AA034272, AI143351, W96568, AI870975, AI129781, AI749544, AA029334, W96468, AI801387, AI424505, W87792, AI342176, AI363136, AI310128, AI343371, AA029335, AI138774, AI217508, AI337280, AI832175, AI018551, AW195185, AW080907, AW009317, AA033560, AA339417, AW245250, AA523730, AI658874, AW138805, W70198, AW340796, AA781337, T89101, AA032082, AA746107, AI659538, AI989852, W87672, AI699899, R46554, R46555, AA340560, AI499481, AI890907, AI623302, AI431307, AI561147, AI866786, AI431316, AI431238, AL043278, AI815239, AI500659, AL134524, AW193598, AI866465, AI815232, AI801325, AI866691, AI500523, AI804505, AI538850, AI887775, AI582932, AI434223, AI872423, AI590043, AI284517, AI923989, AI500706, AI491776, AI445237, AI289791, AI926593, AW151138, R50170, AI521560, AI889189, AI500662, AW151974, AI285417, AW172723, AI284509, AI539800, AI582912, AI889168, AI538885, AI440263, AI927233, AW058275, AI866573, AI633493, AI434256, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI888118, AI285439, AI890472, AI436429, AI859991, AI623736, AI355779, AI889147, AI581033, AI371228, AI491710, AI440252, AI440238, AI924051, AI567971, AI610557, AI860003,

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HDPYD58	1905	726288	1 - 323	15 - 337	AW179153, AW179151, AW179152, AW179089, AW179088, and AL122043.
HDPYD92	1906	791222	1 - 207	15 - 221	
HDPYE96	1907	717598	1 - 485	15 - 499	AB011158, and Z61808.
HDPYF79	1908	774272	1 - 498	15 - 512	
HDPYH79	1909	886845	1 - 168	15 - 182	
HDQDU40	1910	791340	1 - 621	15 - 635	T87457, T99432, W88845, R06479, and AA226858.
HDQEA94	1911	793378	1 - 633	15 - 647	
HDQEC77	1912	771351	1 - 669	15 - 683	AW021230, T97381, D87685, and AF091622.
HDQEC82	1913	779149	1 - 481	15 - 495	AL119443, AW392670, AL119363, AW372827, AL119319, U46346, AW363220, AW384394, U46351, AL119497, U46349, AL119496, AL119457, AL119335, U46350, AL119484, AL119391, AL119444, U46347, AL134528, AL119324, U46341, Z99396, AL134518, AL042970, AL119355, AL119483, AL119341, AL119439, U46345, AL134524, AL042965, AL119522, AL042614, AL042995, AL119399, AL037205, AL119396, AL134538, AL119418, AL119304, AL043029, AL042450, AL042975, AL042850, AL119320, AL042544, AL042542, AL043019, AL042984, AL119464, AL042551, AL043003, AB026436, A81671, AR054110, AR060234, AR0666494, and AR069079.
HDQEF04	1914	927024	1 - 553	15 - 567	N75118, AL022157, and Z82211.

HDQEF89	1915	786393	1 - 531	15 - 545	
HDQEF75	1916	766698	1 - 392	15 - 406	
HDQEN22	1917	931041	1 - 508	15 - 522	
HDQES62	1918	792766	1 - 661	15 - 675	AW269444, AA669114, AW082136, AI914499, and AC000398.
HDQET03	1919	923015	1 - 478	15 - 492	AL119391, AA833896, AA833875, AA457070, AI640411, AA721645, AA828739, AA829154, AI017251, AI811653, AA655005, AA834885, AI887716, AW089898, R08918, AA584125, AC004066, AC005209, AC006960, AC004707, AC007664, AC007327, AC007225, AC005828, Z85986, AP000503, AC005375, AF134726, AC008018, AC005944, AC003991, Z95115, AL033527, AL133163, AC006958, AC004993, Z82178, AL035405, AC005011, AC004106, D28126, Z49155, U07561, AC005954, AF002997, U95739, Z81364, Z85987, AL031282, AL008721, AL031673, AC004590, AC006316, AC007388, AC004832, AC007876, AC005516, AC000111, AD000813, AC005763, AC002316, AL023799, AL022312, AL049795, AL034549, AL022165, AC005688, AC006430, AL031643, AC006128, AC004542, AC004552, AL136297, AC005562, AC005783, AL009183, AP000252, AP000030, AP000212, AP000134, AC005996, Z82205, AC007283, AL031281, AC005484, AC006011, AC006328, AC005037, L78833, AC007533, AC006050, U62293, AL050307, AC007540, AC006312, AC007114, and AP000690.
HDQET24	1920	805486	1 - 642	15 - 656	AW450053, FI1194, and U91321.
HDQEU26	1921	959940	1 - 503	15 - 517	
HDQEU63	1922	852614	1 - 524	15 - 538	D25538, and Z49806.
HDQEU92	1923	973212	1 - 743	15 - 757	AI142131.
HDQFA01	1924	924539	1 - 1363	15 - 1377	AW297731, AI885498, AA809854, AI831297, AA687107, AA809960, and AI523034.
HDQFC85	1925	783797	1 - 1331	15 - 1345	
HDQFK04	1926	926758	1 - 673	15 - 687	
HDQFU11	1927	966106	1 - 319	15 - 333	
HDQFW03	1928	915968	1 - 542	15 - 556	AA476647, U25898, and AC005182.
HDQGB04	1929	852577	1 - 500	15 - 514	D79099.
HDQGC76	1930	950734	1 - 486	15 - 500	AL119319, AL042551, AW392670, AL119457, U46346, Z99396, AL119363, AL119341, AL119497, AW372827, AL119443, AW363220, AW384394, AL119484, AL119391, U46351, AL119324, U46350, U46347, U46349, AL119355, AL119496, AL119444, AL119483, AL134518, U46341, AL119335, AL134538, AL042965, AL134902, AI142132, AL119439, AL119418, AL119399, AL037205, AL119401, AL119522, U46345, AL119396, AL042450, AL042614, AL134525, AL134536, AL042970, AL119320, AL134532, AL042975, AL042544, AL043029, AL043019, AL042984, AL042542, AL119464, AL043003, AB026436, AR054110, AR066494, A81671, AR060234, and AR069079.
HDQGG01	1931	974439	1 - 201	15 - 215	
HDQGK63	1932	875920	1 - 633	15 - 647	AC007395.

HDQK93	1933	791744	1 - 429	15 - 443	R64617, H86221, AA541532, AA630122, AA312303, AA659360, T47389, AA070927, AL037777, AW188742, AA601237, H84412, AI873759, AA302661, AA019003, AA669711, F35097, AA654874, T71936, AI160786, R72363, AL139054, AC002312, AC005231, AC000379, Z83844, AL031666, AC009509, AC004103, AL022323, AB003151, AC005695, AL022326, AL021977, AC007199, AL109657, AC005071, AC000353, AC005519, AC006241, AC006449, AC004878, AP000500, AC004134, AC004922, AC004821, AF042089, AC006023, U91321, AC004081, AL034417, AP000688, AF205588, Z93023, AL109952, AL035420, AL117337, AL035400, AP000509, AC006251, AL133163, AL024498, AL034549, AC004814, AC005815, AC004386, AC004491, AC002039, AL008718, AC007551, AL022165, AC005763, AL049780, AC004955, AC002128, AL078581, AF001549, AC004257, AC005081, AC005207, AL022316, AP000210, AP000132, AC004659, AC002418, AC006538, AC005620, AL135744, AL122023, I34294, AC007011, AL050317, AC005058, U85195, AC004910, AC005046, AC004851, AC005089, AL049576, AP000248, AC006006, AC004217, AC004139, AC002395, AC006014, AC005088, AL022327, AL033527, U07000, AE000658, AF196969, Z85987, AC005531, AC003043, AC005225, AL096701, AB015355, Z97054, AL031311, AF111168, AL109628, AC009501, AF001550, AC002126, AC007919, AC005944, AC002369, AC003029, AC002115, Z95116, AL079340, AC004865, AC006047, AC005015, AC005932, AF111169, AC005488, AC003966, Z98051, AC004067, AC005399, AL049694, AL031662, AC005332, AL109865, AC000075, AL109758, Z95114, AC007381, AC007899, AL035684, AL035072, AC006547, AL096791, AD001527, AC004770, AC002073, AC006312, AC004583, AC004996, Z86090, AL031595, AL080243, AC004099, AC003080, AL049776, AC006211, AL049795, AL133246, AC002375, AC007151, AB023049, AC006468, AL050318, AC004815, AC002310, AC002425, AP000345, Z68872, AL022318, AC005049, AC006011, AL035455, AC003042, AC010077, AC004805, AC007308, AL021528, AC007421, AC012039, AC005383, AP000512, AL022336, AC005484, AC006450, AL078593, AC002476, AL022337, AL031291, AC006048, AL109827, AL031432, AL034429, AJ003147, AJ251973, U91326, AL020995, AC004560, AL121655, AC000120, AC005800, AC005387, AL022237, AC010206, D84394, AC005295, AC005913, AC005632, AC006536, AP000555, AC002072, AC005856, AC002301, AC006948, AL133245, AC009247, AC005261, AL031281, AC002036, AC006077, AC006254, AC007993, AC004694, AF030453, AC004884, and AP000689.
HDQGGQ11	1934	966100	1 - 624	15 - 638	
HDQGR80	1935	880654	1 - 509	15 - 523	AA809589, and AA532423. AA847392, H45758, AA021644, and AA010967.
HDQGT70	1936	909848	1 - 436	15 - 450	
HDQHF10	1937	963485	1 - 395	15 - 409	
HDQHK04	1938	926988	1 - 949	15 - 963	
HDQHM43	1939	852556	1 - 559	15 - 573	
HDQHO04	1940	926976	1 - 212	15 - 226	

HDQHO07	1941	852555	1 - 421	15 - 435	AC005390.
HDQHP44	1942	811790	1 - 502	15 - 516	AA428432, AF033033, AC008372, and Z81364.
HDQHQ83	1943	973129	1 - 493	15 - 507	AL044340, AA577824, AW022897, AA601125, W23726, AA161492, AI250561, AW166697, AI345007, AI345797, AA593465, AA226084, AW023662, AA577906, AA484749, AI133448, U47924, AC006965, AL117352, AL024507, AC005527, AC004584, AC004491, AL109627, AC005049, AC005529, AC006211, AP000356, AC004167, Z85986, AC007242, AJ246003, AC004895, AC005952, AC002565, AC005089, AC006536, AC004656, AC005335, AC006251, AP001054, AL121658, AP000557, AC006538, AL049776, Y18000, AL022237, AC007055, AF030453, AP000556, AP000354, AC002369, AC005495, AF053356, AC004097, AC003109, AL133163, AC005220, AC005747, AC006312, AC007308, AC006012, AF001552, AC004000, AC005391, AC003664, AC002301, AC005015, AC004841, AC007226, AC003983, AL031311, AC002430, AR036572, U91328, AL031291, L44140, AP000008, AP000511, AC004963, AL035420, AC007384, Z93023, AP000704, AC004079, AC006449, AC006238, AC002551, AF111169, AC004149, AC004408, AL021154, AL020997, AC006509, AC009542, AL049709, AC006088, AL035460, AC005500, AC005940, AC005332, AC004967, AC004217, Z98304, AC003098, AC007201, AC005088, AC004522, AC006050, AB017602, AC004671, AC004882, AC006270, U91326, AP000114, AC005726, AC002464, AC006946, AL031276, AL079303, AC005548, AL049636, AC002544, AC005225, AC002094, AC005180, AL008718, AC006130, AP000269, AC005920, AC005102, AC007324, AL109984, AC006241, AC005067, Z95114, AP001052, AC005277, AC003665, AL133485, Z84487, AL031432, AC005841, AF217403, AC004084, AC006057, AL035072, AC006480, AC005081, U80017, AC002472, AC002425, AP000103, AC004520, AC005581, AC007225, Z97055, AC007686, AC007664, AP000032, AC003071, AC007878, AC004983, AC005822, AC000353, AC004834, AC010205, AL050325, AC004020, Z84466, AC004143, AC005409, and AL031281.
HDQHT10	1944	963481	1 - 481	15 - 495	W31096, and AC005783.
HDQHZ10	1945	961336	1 - 474	15 - 488	AA179094.
HDQHZ22	1946	879416	1 - 396	15 - 410	
HDQIH19	1947	974391	1 - 504	15 - 518	AA557945, F16848, AA984829, H68343, AA507623, AA659832, AA368329, H15241, AA434078, AA569206, AA558404, T47138, F34151, H54252, H53284, AI249519, AA664963, AA610255, AA557790, AA778580, AI732911, W45215, AW265279, F34157, AA470490, AI567391, AA662614, AA368012, AL134332, F31867, AA845333, AA776225, AI671077, AA831919, AA371410, AL045423, T03928, N23504, AI345497, AI049630, AW237905, F24745, H86399, AI114494, AI860423, H43183, AI198718, AI190648, AA078483, D51877, AA846923, AW381821, H52397, H85808, AA846482, AW236277, AI619933, AI828721, AA778962, AA102737, AI800343, AI859744, AA911515, AI065031, AI337612, AA366601, AA225627, AW419389, AW265614, AA610433, AW265276, H58393, AW381823, AI284543, AI054090, AL079734, AA468458, AI929298, AI358928, AA568314, AI929825, AA706202, AA084032,

					AA715075, AA584810, AA633875, AW238321, AA644090, AL117258, AL049697, AC002312, AL031133, AC012085, AC007030, AC005914, AC002476, AC005081, AC005015, AF107885, AC003973, AC008372, AC005519, AC004079, AC002492, AL031123, AC006360, Z85996, AP000140, Z68276, AC004841, AL049776, AP000350, AC004383, U95739, AC005697, AC005412, AL121652, AC005736, AC006511, AP000088, AC004882, AC005323, AL109628, AL049844, AP000270, AB007869, Z99716, AC005086, AF064019, AP000563, AL008712, AF053356, AL033525, AF196779, AC007450, Z82206, AC004702, U95743, AL031311, AP000133, AP000211, AC006071, AC005082, AL050348, AL009181, Z86090, AC005539, AL133500, AC007216, AC006959, AC004020, AL031295, Z98044, AC005332, AC002107, AP000089, AP000141, AC004132, U47924, AL021546, AC004007, AC004953, AC005193, AC006011, AC005520, AC006509, AC004967, AL021391, AC005243, AL031666, AL049778, AC002483, AC006571, AP000032, AC002477, AC009399, AC006449, AF196969, AC006130, AC004253, AC006115, AC005544, Z80232, AC005529, AC004890, AC005566, AC004655, AC004686, AC005157, AC009516, AL121655, AC006064, AC004834, AL133448, Z84467, AL022476, Z98885, AC007637, AL049829, AL034555, AC005531, AP000303, AC000159, AC007151, AL031282, AC007993, AL035410, AC005189, AB022785, AC004938, AP000036, AP000514, AL031291, Z98036, AC005971, AL135744, AL021154, AC004883, AC005913, AL133246, AC002310, AC007199, AL035420, AC005207, AP001052, Z98742, AC005363, AC004985, AC006238, AC002400, AL031432, AL008629, AC006960, AL021977, AC005803, Z82182, AC005067, AP000547, AL109952, AC005682, AL049780, AC007298, AC005696, AC009542, AC002546, AC004033, D87675, AP000553, AL132992, AC005527, AF045555, AC005479, AC010170, Z75407, AL031284, AL031846, AC005952, AL031186, AF043945, AC004142, AP000509, AC004765, AL031728, AC004104, AC002398, AL008635, AP000047, AC002073, AF109907, AL022336, U95741, AC005562, AL049779, AL133371, AC004966, AC005274, AC002094, AL008630, AL031447, AC004185, AL109758, AC004531, AC006121, AC007182, AC005785, AC005753, AL049869, Z99128, AC007056, AC003688, Z83823, L78810, AP000046, AP000114, AC002563, AL008731, AL121825, AC006057, AL109963, AC004554, AC000025, AC005318, AC005878, AL050307, AC006222, AL024509, U91321, AC005480, AL010770, Z97056, Z98752, AL049757, AC004491, AL023553, AC004851, U50871, AL1246003, Z97183, AP000704, AP000130, AP000208, AP000503, AL121748, AC008044, AC002195, S42653, I34294, AC006044, AC005551, AC006088, AP000115, AC007371, AL035458, AC005829, AL109798, and AP000247.
				15 - 536	AI569060.
				15 - 592	AA250925, AI610805, AW022188, AL1276031, AW204488, AA978318, AA769333, AW340955, AI683013, AA135812, AA767902, H88636, AI273005, AA358212, AA405245, AA242773, AW078958, AI273047, AA493696, AI250660, AW026945, and AL134115.
				15 - 274	
HDQJ11	1948	966021	1 - 522		
HDQMA71	1949	926528	1 - 578		
HDQMD13	1950	924108	1 - 260		

HDQMD14	1951	783547	1 - 328	15 - 342	<p> AI284640, AW301350, AW303196, AW274349, AI754955, AA581903, AI110770, AI334443, AI133164, AI345518, AI708009, AW072923, AI801591, AI138265, AI281881, AW276827, AL042420, AI085719, AA483771, AI624142, AI610159, AW265009, AI679132, F36273, AI120687, AI471481, AW270270, AA164251, AI064864, AA491814, AI119691, AI379719, AW406447, AI375542, AL046898, AI821714, AI792133, AI791913, AA649642, AL038474, AA525190, AA908687, AF150152, AI821785, AI053672, AA584201, AA553468, AI801482, AI340453, AI355206, AI537955, W79504, AW439558, AI110760, AW148792, AI590958, AI623898, AI148277, AA126051, AA126035, AI431240, AA493708, AW338086, AA521323, AI733856, AL048925, AI590689, AW088616, AI871722, AI370878, AW162489, AI471572, AI632991, AA521399, AI344844, AA806796, AL037554, AI674873, AA601253, F32808, Z98884, AL121757, AC004941, AL122020, Z99943, AC007546, AC002429, AC002994, AP000568, AL035458, AC006254, AC002524, AL035089, AC006084, AC005244, AC007022, Z84470, AL133500, AC004386, AC004385, AL035427, AL032821, AC003071, AC005971, AF190465, AC007537, Z93928, AL049552, AC003962, AC005066, AC004993, AC003015, AC007068, AL109865, AL049792, AL135783, AC005670, AC002377, AF029308, AC008079, AP000352, AC004806, AC007676, AL031885, AL035563, AL121655, AC005011, AL035460, AL031588, AC007066, AC002302, AC002430, AR036572, U91328, AC007156, AC007384, AP000049, AC004990, Z76735, AL049776, AP000311, Z98172, AC007363, AI096867, AC004895, AC007630, AC002115, AC011604, AC002128, AC000353, AC002531, AC004491, AC002418, AL049867, AC006430, AC005618, AL033397, AL133448, AJ011930, AC006079, AC004822, AF118808, AC000114, AC005385, AF109907, AC004916, AC006037, AC006226, Z97054, AC004087, AC002402, AP000552, AC006511, AC005261, U91323, AL109628, AP000555, AC005037, AP000432, AC004838, U85195, AL023494, AI132994, AE000658, AC004998, AC004912, AL049557, AC006128, AL109967, AJ003147, AL121591, AC002470, AC005837, AC006539, AL049795, AC007488, AC006210, AL121603, AC006479, AC004987, AC004858, AC007686, AC002404, AL023882, AL035249, AC005062, AL121653, AC006509, AF064866, AC005234, AC004755, AP000500, AL049712, AC002996, AC008039, AC004626, AF001549, AP000354, AC007099, AL031281, AC002385, AC007228, AL034384, AC004884, AC005189, Z98200, AC007216, AL031311, AF134726, AC005921, AC006525, AC009069, Z92545, X75335, AC005393, Z97053, AC004933, AC006251, AC003664, AL121694, AL096712, AC010206, AF077058, AF123462, AC006211, AL035494, AL139054, AC004534, AL096791, AP000557, AC006561, AL121823, AC004765, Z99129, AC005242, AL021069, Z86061, AC005839, AC007298, AC005993, AC005808, AC002091, AL021453, AC004972, AC005358, AL033525, L44140, AC005944, AF003627, AC002394, AC006213, AC003982, AC000085, AL031670, AC006989, AL121748, AC006537, AL121580, AL031668, AC004650, AL022311, AL132992, AC005610, and AC005696. </p>
HDQPI83	1952	780731	1 - 687	15 - 701	

HDRAB68	1953	752316	1 - 196	15 - 210	
HDTAG28	1954	765834	1 - 159	15 - 173	
HDTAQ55	1955	728772	1 - 353	15 - 367	AA380977
HDTAY23	1956	973925	1 - 352	15 - 366	AA504311, W45240, AA431996, F13467, F13502, and H10924
HDTBF27	1957	683389	1 - 759	15 - 773	AA234529, AI565424, AI624101, AI694224, and AC005021
HDTBL45	1958	785534	1 - 431	15 - 445	
HDTBO48	1959	945083	1 - 505	15 - 519	
HDTBO74	1960	765555	1 - 453	15 - 467	AA480145, AA837058, AA663306, F19258, AA713815, AA491814, AA365347, AA551509, AI205126, AA228329, AA826032, AI003172, F26719, AI886176, AI921188, AA515435, AI003743, T16592, AA095511, AI054246, AW088058, AI820743, AI565245, AW088202, AI282907, W60516, AW080134, AW406447, AI281903, AA340003, AA652764, AI053816, AI904894, AI567674, F29989, AA482711, AW301818, AA361344, AI282832, AA593060, AL041368, AI358229, AA318652, AI307426, AA077935, AW406755, AW104748, AI365988, AI474713, AW339687, AF177861, AA365144, AL138265, AW361583, AI635272, AA856981, N43757, AI963095, AI791503, AI732546, AA077817, AW071063, AI214510, AI802526, AA450199, F31204, AW074398, AI791290, AW022046, AI921649, H64777, AI679782, F35659, AI989742, AI376100, AI561335, AA292574, AA557325, AA501722, AW074059, AA252763, AI356904, AI922654, T12272, AA515128, AI564284, R72392, AA428414, AA743956, AI570138, AI536555, AI929531, AA077776, AA434484, AI284640, AI537955, AI446601, AW162049, AI251002, AA729264, AI962050, AA228420, AA515051, AA581342, AI890923, AA229785, AA658235, AW029038, AA932099, AI610159, F36273, N25303, AI917271, AA584749, AA653057, AI471481, AW166815, AA745410, AA919037, AA243452, AA218645, AW074207, AI610920, AI499134, AA580662, AL138455, AI139968, AI051551, AI286356, AI188469, AI110770, F37286, AA826004, AI053672, AI345675, AI339850, AI345681, AI357551, R41717, T06556, AI334443, AI865364, AW008317, AA342958, AI471729, AL048925, AL120674, AI049634, AW193265, AI816537, AI003611, W25284, AA654627, AI951863, AA364567, AA843450, AW401783, AA501784, AI079667, AW302101, AA077952, AA829106, AI248679, F32395, AL119391, AI742771, AW276435, AI547286, AA443065, N71724, AI285615, AA652057, AA441788, AA649642, AI149915, AA501344, AI286264, F25203, AW438916, AW340844, AI469172, AA650244, AI493615, AW419262, AL048616, AI312149, AW440836, AW105538, AA634855, AA774923, AI049722, AA602069, AL046898, N71596, AI912322, AI299050, AL079804, AA558227, AA886584, AW302309, AW276827, AI807372, T71998, AI268812, AI136636, AW265294, AI926124, AA904218, AW339568, AI431966, AA559290, AI433187, N27353, AA125788, AI469878, AL040913, AI803348, T40338, AW274101, AI421213, AA648110, AA366035, AI951889, AI951928, AA757474, AA192740, C06327, AI368745, AA178953, AL043756, AA503258, AI368256, AA320977, AL038785, F18974, AI133164, AC002426, AL034548, AL109756, AL021578, AC004903, AL009181, AC005089, AC006312,

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HDTBO94	1961	869818	1 - 562	15 - 576	N69991, W47065, AW368643, AW340968, W00799, W04207, AI420674, AW027417, AA779727, AA736509, AW263261, AI090172, AA814921, AI924139, AA375842, AA375767, AA494558, AI422731, W46965, AA969233, AI142954, AI161089, AI167233, AA737756, AI681576, AA449149, AL049415, A61271, and A61272.
HDTBQ20	1962	886757	1 - 458	15 - 472	AA625147, AL044429, N95514, AI521188, M78692, AA083339, AA625350, AA916868, R46588, and AA935301.
HDTBQ34	1963	703446	1 - 453	15 - 467	

HDTBQ47	1964	720298	1 - 369	15 - 383	AI933595.
HDTBQ56	1965	799840	1 - 1310	15 - 1324	AI384076, N21097, AI167276, AI275519, AA495978, AW103498, AA235681, AI224882, AI565119, N31109, AI797229, AW130630, AA425033, AA490486, AI635704, AA463747, AA766927, AA631521, AA829333, AA490708, AW188888, H11440, AI873833, and AA236876.
HDTBQ80	1966	775420	1 - 356	15 - 370	AA860394, AI659377, AI440260, AI479292, AA514684, AI499986, AI500523, AI539800, AI340519, AW082532, AL047344, AA641818, AI648699, AI915295, AI345415, AW148536, AL040011, AI625926, AI446511, AI287233, AI445256, AI952493, AL042515, AW198133, AI500061, AW151652, AI571442, AI470717, AI611738, AW055252, AI890907, AI686690, AW023871, AI453248, AI860027, AI872423, AI378123, AI678446, AI288305, AI571699, AW130930, R81679, AI500714, AI128239, AI874261, AW089844, AL038715, AI696603, AI095003, AA765198, AI559619, AI683395, AI824361, AW081866, AI630928, AI540354, AI624938, AI309306, AI633125, AI434969, AI783785, AI271796, AI417790, AI859991, AI799313, AI686565, AI620864, AI538885, AW129264, AA604875, AI568293, AI433994, AI539723, AI638644, AW020381, AA503384, AI572096, AI539690, AI061405, AI345688, AI635634, F35031, AL041150, AI863382, AI923989, AI690813, AI524179, AI554301, AI917428, AI623736, AI432040, AI699020, AI440238, AW151136, AW022636, AI866465, AI570861, AI589428, AW021189, AA575922, AI620056, AW163554, AI680221, N22276, AI565172, AI862043, AI950729, AI631216, AI174799, AA731184, AW075382, AI658566, AI348854, AI499335, AI623396, AI683173, AI866458, AI241741, AI648454, AW166937, AI590043, F34241, AI554283, AW083750, AW105613, AW193620, AW262491, AI439452, AI613314, AI499104, AI702019, AI537273, AI801325, AI873644, AW058341, AW151831, AI744243, AI340559, AI818562, AI312963, AI361701, AI865906, AW104641, AW088145, AI291214, AI539080, AI917331, AI582871, AI436458, AI499581, AI274655, AL036548, AW167146, AI648494, AI621341, AI524654, AA808175, AI656270, AI679550, AI671429, AI698391, AI538564, AI818240, AL121564, AI915291, AW152182, AI538575, AI801064, AI582932, AI560545, AI619820, AI735654, AW021662, AW195253, AI434731, AI827058, AL120987, AI348901, AI539667, AI889189, AI811192, AI521560, AI521005, AI872545, AI479577, AI079226, AI538764, AI473536, AI927233, AI539260, AI095192, AW151893, AA693444, AW196720, AI866469, AW161156, AI422855, AA502794, AI559752, AI884318, AI355779, AW238688, AI114703, AI370623, AI570056, AI815233, AI632036, AI537408, AW021717, AI566399, AI917252, W74529, AI918809, AI336586, AW080700, AI583484, AI797578, AW268306, AA579618, AW051453, AI701097, AI636507, AW090001, AI345612, AL043326, AI263331, AI472487, AF076464, AF139986, AL117575, AL117416, AL133665, I48978, I08319, AL137530, U62966, AF013214, AF162782, Z37987, AC007043, AL050024, S68736, AL032822, L31396, L31397, AL109672, A08916, Y13350, AL133075, X66366, X00474, S61953, L04849, AL080110, AF176651, E01614, E13364, A08910, AR050959, A08909, AF106862, AR038854, Y10655, D44497, AL049382, AF111851, AF118092, AF185614, AF182215, I89947, AF113694, AL117429,

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HDTBR15	1967	660236	1 - 449	15 - 463	AI753313, AF004877, and AC002528.
HDTBR50	1968	846630	1 - 453	15 - 467	
HDTBV02	1969	920008	1 - 461	15 - 475	
HDTBV18	1970	893761	1 - 367	15 - 381	D25267, AA635901, AC005399, AC007227, AC004685, AL022316, AL080243, AC005324, AF064858, AC005305, AL021937, AF003626, AL049694, AC005330, U80017, AC005031, AC005874, AF134471, AC005920, AC004883, U07563, AC004938, Z98946, AL033527, AC007052, AL049631, AL022345, AC007263, AC004491, AC005571, AC005756, AC005726, AC006013, AL031597, AL033517, AC005409, AC003663, AC004253, AL049776, AC006014, AP000466, and AL049871.
HDTBW52	1971	726060	1 - 507	15 - 521	
HDTBX47	1972	719530	1 - 424	15 - 438	AC004056.
HDTBY88	1973	934472	1 - 495	15 - 509	AA868305, A1700890, AA789239, A1803004, A1694352, AA043382, F08474, R21498, AF112183, AF112184, and AC005354.
HDTCC60	1974	740350	1 - 390	15 - 404	AA864722, AA319763, AA248838, AA193325, AW367238, A1688661, A1921062, AW024122, and AW130404.

HDTDA45	1975	799875	1 - 697	15 - 711	T97833, T97457, and R09338.
HDTDC23	1976	675331	1 - 511	15 - 525	AI471572, AA502155, AA130647, AW402145, AA590063, AI192863, AL035587, AC005164, AC005562, AB003151, AL050332, Z83840, AC005261, AC004185, AP000509, D84394, AC002477, AC007917, AF111163, AL035653, AC005089, AC005829, AC005529, AC000114, AC005512, AP000496, AC005399, AC006948, AC004076, AP000150, Z47046, AF031078, AF030876, AC004263, AP000009, Z98884, AC005498, Z98885, AF196970, AC006251, AC007228, AC005940, Z68162, AC004882, AL031650, AC004796, AL009181, AL049867, AC005520, AC007630, AL022069, AL031000, AL121655, AL117258, AL049829, AL024498, AC006137, AC003690, AP000215, AC007308, AC002470, AC006539, AC006057, AF207550, AL034429, Z82198, AC005822, AC003035, AC006538, AL008582, AL022318, AL031595, and AC006241.
HDTDC53	1977	916348	1 - 220	15 - 234	AI205597, AI018716, AA952883, T66939, W86678, AA122311, AI208307, AA843726, AI090688, AW243845, AA618005, R15455, C00676, AI476338, AA371098, AL119399, AL042382, AL079794, AL043152, AL119511, AI288285, AL119457, AI621341, AL043168, AL042544, AL041150, AI540674, AW029401, AL037582, AW168485, AI037602, AI095003, AL038529, AL037454, AI698391, T95813, AW023846, AL036705, AI950664, AW083573, AI818358, AI638644, AL042191, AI963846, AA857847, AI679214, AA908294, AW264727, AI537677, AI538055, AW152182, AI915295, AI868740, AI589428, AW103628, AI866465, AI587000, AW051088, AI758512, AI564290, AI267162, AL079740, AI500061, AI434731, AW022636, N29277, AI553645, AI783792, AI590043, AW020397, AI571551, AI557238, AI678773, AI499570, AI872343, AL119324, AW162194, AL036249, AI802542, AI241901, AL119863, AW082088, AI147292, AW163834, AI683475, AI745329, AI609760, AI859991, AW021373, AI094749, AI345415, AI623941, AL046473, AI289791, AI567971, AI446704, AI280732, AI250627, AI610446, AI559752, AI312210, AA829061, AI249877, AL046595, AI472566, AI561356, AI612913, AL043355, AI538850, AL039086, AW023338, AA805434, AI620810, AW089275, AI813633, AI568114, AI539800, AI309306, AW059713, AI267185, AI475371, AI355779, AI582932, AI682798, AI860673, AI524179, AL041996, AI280607, AI679211, AW161156, AI673363, AW020419, AI929108, AI583032, AI345688, AL040449, AI634919, AL045266, AI680270, AI342023, AI590686, AI536685, AI783997, AI471429, AI866780, AI401697, AI801325, AL046466, AI884318, AI796743, AI433968, AW128841, AI860652, AW104683, AI589004, AI679506, AI699823, AW024374, AA975952, AI367680, AA503384, AI288050, AW105431, AI354998, AW129616, AW008226, AI573060, AI242248, AI565172, AI610293, AI655932, AI953767, AI567846, AI135065, AW128834, AW132071, AI524654, AA831948, AI683173, AW008166, AW024275, AI110603, AI589134, AA766104, AI624529, AW050578, AW088899, AI469505, AL118781, AI635492, AI890391, AI923989, AI284517, AI368579, AI678599, AI932458, AI274507, AA479803, AI811840, AI864102, AI917963, AI538764, AW193872, AI824576, AW163554, AI538637, AI625701, AI366922, AI627604,

				AI251221, AW403717, AI371251, AI270295, AI478902, AI432644, AA580663, AW148536, AI422688, AW088560, AI921092, AW151136, AL040011, AW008353, AI288305, AI676003, AA641818, AI540458, AI468872, AL048323, AA808175, AI567582, AW132001, AI446373, AL048340, AI648458, AI281757, AL047675, AI119791, AI252077, AI889189, AI932794, AW021717, N71180, AW029186, AW129264, AW073907, AI343091, AI633061, AA768046, AI335363, Y11587, U77594, U35846, AI137480, AF132676, AF061836, AF030513, I48978, AL049347, AF047716, AF026816, I167328, AI133075, AI133113, 297214, I89947, AI133637, AF097996, AL122098, AF017152, AF146568, AR034821, A65341, AI133049, S83440, AR068753, AB016226, AI137271, AF118092, AI137554, A93350, A08910, A08909, A65340, A08913, AF102578, S61953, A08908, AR020905, AI133067, AI137557, A77033, A77035, I33392, U95114, A08912, U37359, I09499, AF177401, AR038854, AI133072, E02221, S77771, AL023657, AI137550, AF106862, AI8777, E12747, X63162, S76508, AB029065, A21103, AF126247, AF067728, U49434, AF104032, A08916, AF113689, E05822, X98834, I79595, AF002985, I18355, AI117587, AL050172, AI110296, AI133557, X92070, A08911, I34392, AI110218, A08907, AI122110, AI117463, AI110197, M96857, Z37987, AI122100, AI137533, S53987, AL080148, AI005690, AR053103, AI137523, I48979, AI238278, U87620, S69510, Y14314, Y07905, I89931, AI136884, AL080159, AF183393, AF111849, I89934, AI110225, AF061981, AF139986, X72889, I49625, AF106945, AF145233, AL049339, Y10823, AF087943, AL080140, I42402, Z82022, U55017, X67688, AB007812, M27260, AI137547, AJ010277, AI122093, AF008439, U49908, AI133560, L04504, E01314, AI137529, A45787, S68736, I32738, AF106657, M92439, AI133665, L04849, AI137526, AF113677, AI000937, D89079, A76335, AR029490, AF195092, AF180525, AI137488, AI133112, AF182215, A23630, I00734, AI5345, X98066, AF067790, AF031903, AI137286, Y11254, AI122104, AI137530, AL080154, I26207, AI242859, X84990, AI137574, E00617, E00717, E00778, AI137294, X72387, AI137521, AI122121, X83508, AC003032, U75932, AR013797, X82434, S36676, X79812, X87582, Y10936, AL049430, AL049460, AF107847, AI122106, AF017790, X55446, AI137711, AF185576, AI110224, D16301, X81464, AI117648, U54559, AL050277, Y13350, AF026124, AF205861, I03321, AI8788, AC004227, Y10655, S75997, AF162270, X66862, AF215669, I33391, AI133640, AF111851, X52128, AI117460, I17544, AI137256, AI122118, AF090901, A03736, AI137292, I68732, AF113691, L13297, AF111112, D83989, AF113694, Y10080, AI110222, AF036941, AI137640, X83544, Z72491, AF210052, AI117583, AF031147, AI137459, X06146, E07108, AF090903, AL050116, AF058921, U00686, AF040751, AI110228, AB030279, AF057300, AJ012755, AF057299, AI137479, AC002467, AL050170, AL080124, and AF169154.
HD/TDD49	1978	799872	1 - 448	15 - 462
HD/TDG42	1979	713588	1 - 445	15 - 459

					AL049836, AC005585, AC008372, AP000201, AL049776, AC007225, AL031283, AF207550, AC005578, AP000097, AL080242, Z83844, AC004703, AF001550, AC005837, AL009181, AC005781, AP000043, AP000111, AC005089, AC007283, and AF050154.
HDTG70	1980	587730	1 - 418	15 - 432	AL022396
HDTDL88	1981	868565	1 - 707	15 - 721	AI140351, AI859347, AA768342, AI864674, N80197, AA722381, AA130959, AI051671, AA043186, AA121548, AA987515, AA100477, AW193146, W04309, N21020, H94056, AI187288, AA844332, N21328, N47889, AI952434, AA975893, AA045598, H80956, AI354682, AA621534, AI859814, AW089493, AA530873, AW275917, AI025466, N92869, AA768339, AA417265, AI567303, AA828283, AI289086, AA729835, AI564973, AA580315, AI952495, AI419448, T40562, AI289415, AI039892, AI014387, AA917482, AW088039, AA587755, AW190165, AI371694, AI018462, AW377665, AI083853, AW103201, AA868207, H81296, AI920875, AI833059, AI288157, D12288, R63140, AI942324, AI873582, AI699667, AI091426, AA127712, AW406948, D12293, AA074395, AA342276, AI955989, T91580, AI350331, AA053266, AW138496, AA342277, AI832968, AW084334, T91268, AI816957, D12294, AW351513, R83013, AI868829, AI220723, AI202414, AI908913, AA353671, T98269, AI908912, AA193223, AI866230, AA807562, C75247, AI144388, AW377656, W22908, AW381854, AW381856, AI864799, AI802279, T91628, N74141, AI310801, AA788629, AI815642, AA370966, AA417302, AA894373, AA314322, AL122042, and AC007842.
HDTDP37	1982	571417	1 - 513	15 - 527	
HDTDT33	1983	587773	1 - 541	15 - 555	T12034, and T12053.
HDTTE119	1984	912765	1 - 399	15 - 413	AI365424, AA761247, AI270301, AA903663, AA461365, AI124751, AI493506, AA946682, AI739428, AI990438, AI312115, AI927988, AI638765, AI830148, AI739606, AI561007, AI934691, AF165522, and X56389.
HDTTEJ30	1985	915445	1 - 475	15 - 489	AL035965, and AC006501.
HDTEN69	1986	650840	1 - 618	15 - 632	
HDTES50	1987	964709	1 - 423	15 - 437	AW340512, AI807894, AW082409, AW054749, and R94399.
HDTFC55	1988	731397	1 - 560	15 - 574	
HDTFD13	1989	835596	1 - 429	15 - 443	W92422, and AA013353.
HDTFE23	1990	675407	1 - 360	15 - 374	
HDTFI53	1991	738221	1 - 108	15 - 122	T86673, AW190189, and AI193121.
HDTFP51	1992	924898	1 - 491	15 - 505	
HDTFQ26	1993	681234	1 - 605	15 - 619	R80296, AW235653, AI949101, AA470449, AC002044, AC005234, X54171, AP000348, AC006230, AC007129, AC005274, and AC004230.
HDTGE59	1994	893721	1 - 213	15 - 227	
HDTGI15	1995	953336	1 - 641	15 - 655	AI765425.
HDTGI03	1996	923452	1 - 615	15 - 629	

HDTG164	1997	799860	1 - 133	15 - 147	
HDTGK27	1998	682689	1 - 416	15 - 430	AA489578.
HDTGP34	1999	855739	1 - 562	15 - 576	R69491.
HDTGP03	2000	724545	1 - 227	15 - 241	
HDTGW21	2001	785047	1 - 369	15 - 383	AB007857.
HDTGW52	2002	726197	1 - 100	15 - 114	
HDTHA89	2003	838813	1 - 345	15 - 359	AA745404, N23046, AI057391, AA001345, AC003101, AC004526, AL031670, AC009721, AL109748, AC004256, AC004090, AP000152, AP00010, AL021155, AL022330, AC005007, AL023584, AP000546, AC005969, AC003086, AC000379, AL023553, AC006543, AC007283, and AC006011.
HDTHB41	2004	711849	1 - 475	15 - 489	AR035806.
HDTHE95	2005	795180	1 - 494	15 - 508	AA847163.
HDTHK91	2006	789790	1 - 616	15 - 630	AC004611, AC005551, AL096701, Z97054, AC005529, AC003101, AC005527, AC005011, AF053356, AC004813, AC006965, AC004985, AC004167, AC002375, AC002565, AC005874, AF134471, AP000036, Z83844, AC003684, AC005622, AL132987, AC005837, AC005102, and AL049780.
HDTHM43	2007	851854	1 - 483	15 - 497	
HDTHO45	2008	799861	1 - 163	15 - 177	AW089395, AI053518, AI345012, AI358008, AA837739, AA664248, AA610530, AW238137, AA837796, AA993165, AW238250, AA084950, N70293, AA599749, AL047254, AA594220, T05354, AI124706, AW161966, AA001398, AI683742, AA666066, AW440424, AI223626, AA583579, AW130446, AA583568, AI568849, AI274006, AI921692, AI567831, AI445768, AA586553, D25667, AI889648, AI613487, AI336206, AA654038, AA658918, AA047045, AI572680, AI884861, AL118567, AA774119, AW021519, AA649660, F03603, AI375036, AI083707, AI246061, AA599080, AA832124, AA832152, AA470958, H86399, H47461, AI205348, AL134332, AA224525, AL036070, AI054090, AI761566, AI114645, AI872117, AI744381, AI249853, AI284543, AI254770, AI251944, AI251034, AI251203, AI251284, AI250552, AA304790, AA078088, AA295893, AA295899, H77666, AW149972, AA564682, AA593388, AI354341, AW327597, AA468289, AA911520, AI732682, AI869786, AI922583, AA347653, AA780648, AI521042, AW327555, AA167179, AI912505, AA078509, AA742775, H37892, AC002073, AL031284, AC004895, AC002347, AB020863, AL023880, AL049543, AL137474, AP000959, AC004522, AC007387, AC005274, AC004131, AC004859, AC005519, AF061032, AF003626, AP001052, AC005664, AC008134, Z98751, AC005924, AC004837, AC000997, AL031663, AC006547, AC002351, AC000025, AC005527, AC005529, AL034555, AC004150, AC000379, AC002049, AC002054, AL117328, AL021332, AC004701, AC002472, AP000550, AC007664, AC008018, AC005358, AL133216, AL080243, AL035457, AL049569, AC006211, AL020997, AC007227, AC000083, AL031287, AL031775, AL033517, AL021878, AC004686, AP000346, AC002312, AC007695, AC004778, AC005800, AL031848, AC006210.

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HDTHQ15	2009	923899	1 - 599	15 - 613	AA215544, AA262119, D87446, and AF060565.
HDTHQ55	2010	799859	1 - 417	15 - 431	
HDTHW16	2011	799839	1 - 623	15 - 637	
HDTHZ46	2012	957669	1 - 362	15 - 376	H59787, AA911636, AA631183, AI025526, AI923762, AI740793, AA743390, AI202128, AI660488, H82705, and AI368872
HDTIB38	2013	971665	1 - 922	15 - 936	AI872294, AW207586, AW195605, AI693146, AW075561, AW068887, AA993676, AI738241, AI799473, AI031659, AI419921, AA961774, AI355364, AI190742, AW451406, AA598664, AA603695, AW057857, AI807320, AI510700, N50786, AA737532, AA766363, R68978, AI124003, AI445187, AW102731, H04784, AI122873, R69607, AI253794, AA897328, AA598571, AI540516, D19777, AI267421, N55144, H04882, AA334830, and AL135745
HDTIC48	2014	828038	1 - 406	15 - 420	H82510
HDTIC74	2015	838780	1 - 536	15 - 550	AA084725, AA189117, AL048925, AI801482, AI284640, AL046409, AI963720, AL042753, AA127353, AI679782, AI270117, AW406755, H71429, AI334443, AW419262, AW072587, AI431303, AI570261, AI133164, AW276827, AI368745, AA490183, AW193265, AI613280, AW302013, AL119691, AI364020, F36273, AAG10491, AI043719, AW303196, AI281881, AI350211, AA523810, AW261871, AI858451, AI434695, AI358229, AA581903, AW301350, AI061143, AI567076, AI754336, AW327868, AI240168, AI143242, AI341664, AA984708, AW088846, AI538852, AA503473, AA649542, AA649484, AA491814, AI365988, AA578481, AL138265, AI471543, AA577906, AI061334, AW265393, AA680243, AW270270, AW274349,

AA665021, AI732120, AL042853, AA521399, AI737510, AI754658, AL138455, AW410400, AW265385, AW407578, AW270716, AA446657, AW341900, AI718446, AI571512, AI289067, AW148792, F16127, AI355206, N27584, AA846929, AW438643, AA455483, AI688846, AI379719, AA402129, AI053672, AW163293, AA177061, AI110770, AA584082, AA488746, AA613232, AA828042, AW301809, F29989, AI298710, AW023672, AA877817, AW193432, AA649722, AA587604, AA720702, AI669453, AA521323, AI345654, AA132914, AI962050, AA493219, AI619997, AA657918, AI192631, AA878409, AW300625, AL038474, AW406447, AA806796, AI471481, AI148277, AI801591, C05755, AW162489, AI635818, AA468022, AI017415, AA470969, AA084070, AI696962, AW169537, AA630362, AA526779, AI633025, AI151261, AI871722, AI246119, AL044940, AI119984, AI561255, AA515829, AA507824, AI955323, AI358501, AA525824, AA649642, C06339, AI307608, W79504, AA599920, AA126051, AA126035, AW021207, AA610493, AA846935, AI287485, H13757, AL041690, AW265009, H72402, AA126450, AI921296, AA491284, AA682912, AI859742, AW103758, AA973803, AI610159, AI623720, AL137954, AI653886, AA613345, AA846907, AA601876, AA721056, AW089322, AW238278, AA613227, AW276817, AI076766, AA857486, AA503119, AA586458, AA623002, AI344844, AI744995, AL046205, AI921061, AA601253, AI358812, AA587256, AA679514, AA837718, AI635274, AL120687, AW073470, AC007421, AF001549, AP000134, AP000212, AC008134, AP000251, AL049776, AP000030, AC008040, D87675, AL132777, AC006948, AC007385, AC005089, AC004605, AC004263, AL132718, AC006026, AC000387, U11309, Z49258, AC004890, AC004453, AC005037, X54175, AC006011, D83989, AL133245, AF015148, AF031078, AC008372, AC007191, AF030876, AC007216, U57009, AC005225, AF015156, AC005988, AC006116, AC002468, U18394, AC005041, AL031228, AC006111, AC004593, AL021808, AC006042, AL049539, AC005846, Z83826, U95742, AC004816, U80017, AC005372, AC004057, U18391, AC007455, AC005288, Z98051, AP000959, AC006479, AF152365, I51997, AC005335, Z82244, U67221, AL022163, AC003693, AL008715, Z99716, AL096701, AC007364, AC005015, AC005678, AL009172, U18396, AL034549, AL132712, AF131217, X54180, AF107885, AC006254, AP000568, AL078581, AF129756, AF017104, AP000126, AP000204, AC004966, U85195, AL031427, X54178, AL121603, AC008123, AC004491, X55926, AC005837, AC008045, AC005585, AL031347, AC007666, AC004859, AL035422, AL049761, AC004615, AP000142, AC006064, Z94055, AC006157, X54181, AP000557, AL031577, AC003691, AE000658, AL096703, AC007308, AL008627, AF015152, AF109907, AC010170, AL049760, AC006313, U57007, AC007617, AC005808, AJ006345, AL022476, AL121934, AC007537, AC006997, AC007298, AF124523, AC005778, AL023575, AP001038, AF045555, AC005004, AC005180, AC007277, AC008039, AC005620, Z85999, AC004531, U18393, AC000118, AL121655, AP000244, U57005, AL049557, AC006965, AC006597, AC005215, AC007227, AC005324, AC005019, AL023656, AC006484, AC005632, AL049795, AC005829, AL035252, AC002377, AC005399, AC003956, AC007387, AF088219,

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HDT1D61	2016	908946	1 - 730	15 - 744	AW439565, A1827530, A1887525, A1890158, A1859703, AW118200, AA749212, AA430563, AA883993, AA029288, A1095763, AA043743, H03766, A1598263, A1634574, A1079917, AW243702, AA452390, A1634584, AA132531, A1610785, N51151, AA602187, AA971019, A1926025, A1279436, A1220990, AA88601, AW131171, AA969116, A1818902, H02869, AA579993, AA621433, A1922025, AA369249, A1469540, AA021150, A1300047, H88995, N47896, R70915, AA043742, AA912768, A1926028, AA937998, AA029756, AA834867, A1183313, AA342184, A1873839, AA433979, AA167094, A1017196, AA866089, AA993239, AW371991, AA028917, A1926057, AA911119, H88778, AA283401, and AA283400
HDT1E01	2017	883070	1 - 515	15 - 529	AA938105, R98945, A1110760, AL119762, AL041013, A1114869, AW075511, AW102811, AA806796, AA070456, A1133516, A1061646, AA767276, AA524821, T74382, A1313166, AA219225, AA224525, AA601348, A1093030, AA083046, AA502104, AA531580, AA836811, AA081825, T40308, AW151713, AA601294, AW440545, AA846568, AL046586, AW274346, AW161966, AA765736, AL138254, AA774222, AW245747, AA468456, AA377927, AA774780, T56253, N70044, R70821, AW407632, A1471603, AA806799, A1499134, R80876, A1826263, AA614180, AA634889, H46122, D82542, AA664909, A1345654, A1708009, H40936, AA483929, AW103758, A1305766, A1284640, AW168453, AA121894, AL035659, AL121603, AC002470, AC004167, AL031846, AL035420, AC005412, AC007021, AC005280, AL096774, AC003043, AC006084, AC004738, AC003664, AL031255, AC000052, AL035400, AC007731, AL049780, AC005531, AL031767, AC007055, Z83819, AC004149, AC002301, AL080243, AC004150, AC005500, AP000553, AC002072, AC009516, AL034549, AC004263, AL139054, AC004019, AC006285, AC004675, AC004859, AL049758, AC005084, AL022721, AL035587, AC005411, AC005694, AP000966, AF088219, AC007216, AL022165, AC004895, AC003108, AC006042, AP000555, U80017, AC000026, U85195, AC006241, AL031447, AC004216, Z95118, AC009044, AL031577, AC005031, AC005670, AC000087, AC004797, AC004815, U72787, AC005911, AC007057, AL022316, AC005089, AC002476, AC005666, AC005003, AL022302, AL132712, AE000658, AC002059, AC004765, AC006146, AP000133, AP000211, L44140, AL117347,

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HDTIF90	2018	787413	1 - 490	15 - 504	AL134148, AL119391, AP000356, AC004820, AR060471, AC005940, AC004253, AL035684, U29953, AP000212, AP000134, AC002287, AC005015, AC003043, AC005412, AC004672, AL117337, U91321, AC007425, AL035086, AF205588, AC004216, AC005179, AC004098, AC007676, AC005037, AP000349, AC016027, AC016830, AL133396, AP000252, and AL079306.
HDTIG34	2019	799851	1 - 417	15 - 431	
HDTIH43	2020	935643	1 - 536	15 - 550	
HDTIMI3	2021	926952	1 - 439	15 - 453	AA437170
HDTIR88	2022	931122	1 - 680	15 - 694	AI742572, AI819310, AI373601, AI458037, AI478168, AW243260, AW182412, AI628739, H96226, AA911198, AW237157, AA621899, AI963732, AA036662, AI699482, AA935821, and AI560638.
HDTIV22	2023	883109	1 - 398	15 - 412	
HDTIV37	2024	799867	1 - 590	15 - 604	AI110718, and AC006121.
HDTIV62	2025	799835	1 - 639	15 - 653	AA290838.
HDTIW03	2026	922928	1 - 471	15 - 485	AC003992.
HDTIX57	2027	799828	1 - 596	15 - 610	AI660431, AA705801, and AF112299.

HDTIV24	2028	799854	1 - 391	15 - 405	AW392670, Z99396, AL119457, AL119484, AL134902, AL119391, AL119363, AW372827, AL119497, AL119443, AW363220, AW384394, AL142132, AL119319, AL119341, U46351, AL119324, U46346, U46350, U46347, U46349, AL119335, AL119355, AL119444, AL119496, AL119483, U46341, AL119439, AL119418, AL119399, AL037205, AL119522, AL119401, AL134518, U46345, AL119396, AL134538, AL042965, AL042450, AL042614, AL134525, AL134536, AL042970, AL042975, AL042984, AL042544, AL043029, AL043019, AL042542, AL042551, AL043003, AL119464, AB026436, AR054110, AR066494, A81671, AR060234, and AR069079.
HDTIV26	2029	799855	1 - 409	15 - 423	
HDTIV41	2030	799853	1 - 641	15 - 655	AA281844, AL284640, AA862227, AL133164, AL281465, AL471481, AL291124, AL282832, AL291268, AL341548, AL046409, AL266133, F36273, AA340747, AL298710, AW157005, AL1341664, AL289067, AW193432, AL431303, AA491814, AL688846, AW439558, AA992126, AL1358343, AA133986, AA582554, AL028510, AW276827, AW193265, AL1536625, AW339568, AL061334, AL340453, AL761471, AW419262, AL350211, AW276435, AW166815, AA984187, AA284184, AL587583, AL587565, AL963720, AA865262, AL754658, AL613280, AL041706, AW274072, AL610159, AL079910, AL004591, AW008317, AL34443, AL1569086, AW193609, AL801591, AL053672, AL358501, AA719805, AL040054, AL198376, AA649642, AL085719, AL830390, AF150152, AA350859, AL375710, AL814735, AL937850, H79308, AL143242, AL344844, AA347927, AL653886, AA669840, AA657835, AL619997, AW166611, AL832865, AL246996, AL460050, AW188976, AL049634, AL709365, AW276817, AA977743, AL246796, AL043578, AL193007, AW131457, AL371070, AW021917, AL285696, AA347930, AW410400, AL434695, AW302013, AW406447, AL590958, AA557686, AA713815, AL590772, AL884487, AW055226, AL589230, AL653515, AW341903, AW088058, AL676218, AL042753, AL379719, AA593471, AL121777, AW265385, AL048925, AC005324, AC004796, AC006125, AL135744, AC009516, AC005696, AL133245, AC005332, AC003663, AL049766, AC005913, AL132777, AC004987, AC005740, AF109907, AL022163, AC002402, AC004963, AC006597, AP000557, AD000092, AC005412, AL031667, AC006312, AC012627, AC005699, AC004534, AL008718, AC005180, AL031054, AC000353, AC007842, AL033376, AL021808, Z93930, AC010186, AC005725, AL049836, AC005598, AC003684, AC004638, AL035420, AP000558, AC004675, AL035072, AP000959, Z95152, AC006126, AC005670, AC008249, AC004825, AF088219, D00591, AC005736, AC006480, M87914, U52112, AL023494, AC004998, Z99716, AC005006, AC005237, AC005531, AC004386, AC016831, AC005519, Z97184, AL050332, Z93017, Z98950, AC007793, AC006251, AC007637, AC005253, AC007151, AC002398, AP000216, AC005387, AL079340, AP000553, AC006050, AL078476, AC004876, AC005846, AP001053, AC004929, Z93241, AC006211, AC004858, AC008056, AC007191, AC005154, AP000692, AL049745, AP000047, AC007227, AC003119, AL132994, AF047825, AC006999, AC002307, AC005274, AC005071, AC004895, AL049830, AC009227, AC005089, AP000115, AL031432, AC012085,

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HDTIY69	2031	799857	1 - 493	15 - 507	
HDTIZ44	2032	925574	1 - 388	15 - 402	AA736584, AW075941, AI803986, AW075748, AA480329, AA749202, AA804593, AI214324, AA907245, AA905861, AA806181, AI825149, AI479015, AI766668, AI312426, AI334900, AI334929, AI250558, AI334885, AI379810, AI307204, AI309438, AI340732, AI349156, AI334899, AI271248, AI307713, AI224312, AI307488, AI223564, AI053668, AI223777, AI340417, AI349701, AI349296, AL134999, AI926593, AL040620, AI696583, AL039086, AI474093, AA648441, AI250646, F37409, AI633061, AI500658, AI918424, AA768725, AW169654, AI587489, AI421149, AW020619, AI249375, AI702527, AI866573, AW080157, AA776730, AI879377, AI421662, AW020381, AI638582, AC004687, AL133607, Y10080, L40386, AF067728, I42402, U76419, AL050393, AF107018, AF004162, AF013249, AF044221, AF105427, AF074604, AL117590, S69510, L24896, Z82022, A41575, AL137463, X98066, A83556, I29004, X66417, X60769, AL133608, Z49258, AF084644, AF084645, U80742, AL133049, AF112208, AR012379, AL133557, AF199509, E13998, AF126372, AC005156, AL080124, and AF038847.
HDTJA54	2033	799856	1 - 66	15 - 80	
HDTJC51	2034	799850	1 - 313	15 - 327	
HDTJH16	2035	918631	1 - 846	15 - 860	AW117866, and AA279393.
HDTJH37	2036	799834	1 - 539	15 - 553	R33692.
HDTJH02	2037	913787	1 - 163	15 - 177	

HDTJ155	2038	856558	1 - 1012	15 - 1026	AI123328, AI761674, AI028395, AA883324, AI494492, AW340221, AI082842, AI739107, AI350566, and AI219506.
HDTJK81	2039	851897	1 - 574	15 - 588	AA631510, AA847102, AA570673, AA484892, N76216, T48723, F27015, AI683552, AI624551, AL044271, AF121178, AA558366, AI446205, AW270768, AW008074, AI814059, AI291037, AA603400, AA297195, AA968509, AW277174, AI636439, AA502110, F32248, AI620808, AL045298, AA535494, AA493840, H72688, AI245423, AA503144, N25079, AI890688, AI890102, AA835814, AW189550, AI889580, H85059, H71642, AI075876, C13996, AI469577, AC005529, AC007314, AC007676, AD000813, AC004882, AC002115, Z97055, AC008071, AC002465, AL078638, AC002302, AC006398, AC005332, AC006139, AC005690, AC004671, AC008012, AC004874, U91323, AL034423, AC007529, AC004862, AC002480, AC005235, Z83822, AL035361, AC004381, AC005183, U91319, AC003957, AP000282, AP000514, AC006064, AP000466, AP000108, AP000040, AC007425, AC000026, AC004616, AB020865, AC007450, AC005041, AF049895, AC002059, Z97876, AL033376, AC005018, AL034379, AL035089, AC004887, AL009181, AC005598, AC003976, AC006547, AC005049, U95740, AC004834, AL008718, AL008729, AC007011, Z84480, AL021707, AC004033, AL031728, AC002288, AC005011, AC005046, AP001054, Z99774, AC005409, AC006213, AC000072, AF001548, AC005701, AC000120, AC005243, AL122020, AC004551, L77569, AC004865, AL121653, AC005104, AL020995, AL034555, AL133445, AL132987, Z85999, AC004098, AC005004, AF001552, AC004808, AC002496, AC004963, AB001523, AC006359, AL035072, AP000030, AP000212, AP000134, AL117375, U89335, AL020989, AC009464, AF205588, AC005393, AL022162, AC007860, AC006013, AC004982, AC006430, AF227510, AL121754, AC009263, AC004073, AC006947, AC004594, AC004895, AC002563, AC006544, AL035633, AC005881, AC004216, AL021940, AC004542, AL021395, Z98200, AC007637, AF099810, AC003682, AC004694, AL031643, AL022328, Z84466, AC009225, AC007371, U52111, AL031904, AC006006, AP000088, AC004745, AC005971, AP000011, AP000153, AC007664, AL009179, Z81365, AC009743, AL031673, AC009247, AF019664, AC005086, AP000031, U91318, AL021877, AC005548, AJ004799, AC003106, AC004876, AL049778, AF047825, AL034343, K03021, Z85989, AF045450, and AP000152.
HDTJQ18	2040	805597	1 - 508	15 - 522	AC010196.
HDTJT70	2041	918563	1 - 1094	15 - 1108	AA399660, and AA397890.
HDTJU06	2042	934242	1 - 412	15 - 426	
HDTKP88	2043	799865	1 - 566	15 - 580	
HDTKQ14	2044	886936	1 - 541	15 - 555	AL023653, and AL049683.
HDTKS28	2045	885471	1 - 512	15 - 526	W07055, N98814, R19346, AA461032, Z20457, W93772, W77921, AF155739, and AL050171.
HDTKU06	2046	934269	1 - 722	15 - 736	AL037304, AI184565, and AC004492.
HDTKX89	2047	799829	1 - 690	15 - 704	
HDTKZ74	2048	799842	1 - 626	15 - 640	AC006378.

HDTLA08	2049	958307	1 - 480	15 - 494	<p>AL299823, AA918074, AA134973, AA484892, AA878492, W60522, AA526413, AL150934, H86399, AL049539, AF129756, AC005800, AC004929, AL080243, AC007688, AC002316, AC000353, AC005095, AC005971, AC006006, AC004216, AC002369, AC004491, AL020997, AF053356, AL096712, AC007685, AC005231, AL109938, AL132712, Z98946, AC007386, U96629, AL139054, AC005082, AL049569, AC004832, AC005529, AL024498, AL031591, AC011198, AL022320, AC006312, AC007684, AL035455, AL050308, Z84487, Y14768, Z97053, AC004858, AP000505, AC007057, AL049872, AC005207, Z93241, AC004882, AL121871, AC002395, AC002310, AC005899, AC005004, AF109907, AP000555, Z80897, AC002477, AL031297, AL109653, AL022396, AC005933, AC004025, AC004685, AC005332, AC005696, AL035494, AL033392, AC007283, AC007425, AF067844, AC005911, Z98742, AC004921, AC007536, Z82208, AC002985, AC020663, AL049712, AF134726, AC008067, AC002301, AL109627, AC003665, AL133216, AL132777, AL049760, AL021937, AC004531, AC007160, AC002347, AL009181, AC004448, AC004655, AF064861, AL031733, AC005566, AL109628, AC005694, U07000, AL034553, AC005837, AC002312, AC007707, AC005015, X03120, AL035681, Z98750, AL034429, AC004854, AF196779, AC005690, AC005924, AC006333, AC002126, AL021391, AC005740, Z98745, AC007324, AL031005, AL035587, AC002425, AF165926, AC007488, X01392, AL117258, AL031277, AC005261, AF045555, AC004036, AC005527, AC005224, AC005225, Z54246, AC007690, AL010770, AC015853, AL136295, Z93023, AF111169, AC004013, AC006079, AC005041, AL031282, AC007014, AL049795, AC005678, I00098, AC002565, AC006211, AL121578, AF047825, AC005736, AL022324, AC006449, AL049589, AL135744, AP000350, AL031311, AL049869, AC002365, AC005049, AC005846, AC006576, AC006064, AL031657, AF207550, AP000557, AC005632, AC000379, AC006236, AL121603, AC004659, AL031283, AC004149, AC007226, U89337, AC006459, AP000358, AC004099, AP000251, AD000091, AC006251, AL096763, AC006538, Z97055, AC005081, AL049830, AF196969, AC005668, AC007240, AL035664, AC005821, AC005914, and AP000141.</p>
HDTLA53	2050	851826	1 - 635	15 - 649	
HDTLB55	2051	905872	1 - 558	15 - 572	R54209, H04999, AA179219, M62122, AA143551, W24376, and AA376209.
HDTLD17	2052	908601	1 - 654	15 - 668	W27300.
HDTLH19	2053	959932	1 - 279	15 - 293	
HDTLK51	2054	851846	1 - 524	15 - 538	<p>AI349849, AI590485, AI345695, AI345366, AI310873, AW168420, AA582073, AA605272, AI755214, AI754105, AA809546, AA829044, AA228349, AA953238, AA282820, AL042635, AI754567, AA515905, AA126450, AA748833, AA744018, AA244339, AA410828, AA828834, T11828, AC004832, U91326, U91321, AC004525, AC007708, AC005081, AC005015, AL049832, AC002544, AL022336, AC005089, AC002407, AC003982, AC006236, AC002351, AC007981, AC007324, AC006537, AP000130, AP000208, AC007325, AC005884, AC007879, AL021546, AL049780, AF001552, AL049539, AL121580, AC004858, AC006441, AC004848, AC004929,</p>

	2055	805562	1 - 605	15 - 619	AC006261, AC006039, AL035659, AC005874, AF134471, AL109865, AC002402, AL035495, AC000029, AC007327, AL050318, AP000503, Z82190, AL031730, AC004820, AC006023, AC002350, AC008372, AC006948, AL035086, AC004494, AC004149, AL109628, AC008009, AP000550, AL035045, Z92542, Z84466, AF109907, AC007686, AC002302, AC005580, AC000117, AC005410, AL031680, AC005332, AC007899, AC008132, Z97056, AC004382, AC005324, AC006011, AC002477, AC005919, AP000513, AC009263, AC007676, AP000694, AF024533, AP000246, AF047825, AC004813, AC005952, AC002996, AF048729, AC007358, AC006316, U96629, AC002045, AC007546, AC005538, AC006343, AL031594, AL133448, AL049636, AP000354, AC005841, AC007649, U47924, AF196969, AL034429, AL008715, AL009181, AL049569, AC012039, AC005482, AC005225, AC008018, AC005011, AC004675, AC004987, AF134726, AL021154, AP000350, AL049830, AC007367, AC007566, AL049869, AC008079, AL021707, AC005358, AL078477, AC002352, AC018633, AC006487, AC004972, Z86064, AC005412, AC004106, AC009248, D87675, Z93023, AC005228, Z95329, AL020997, AC005914, AL049793, AC007114, AL008718, AP000152, AL031313, AL049760, AF088219, AC007564, AC005368, AC003046, AC002511, AC004605, AL022165, AF029308, AC005666, AP000213, AC007055, AC003010, AC002470, AC007488, AL121754, AB001523, AC005050, AC009363, AC005722, AB023048, AC004975, AP000031, AC002565, Z85986, AC004491, AC004801, AL133246, AP000135, and AC009288.
HDTLN80	2055	805562	1 - 605	15 - 619	AW372827, AW392670, AL042978, AL119443, AL037205, AW363220, AW384394, U46341, AL119319, AL119497, U46351, AL119324, AL119457, Z99396, U46349, AL119341, AL119484, AL119391, AL042965, AL119496, U46350, U46347, AL119355, AL119363, AL119444, AL142132, AL119483, U46346, AL043205, AL119335, AL134524, AL119439, AL119401, AL134902, AL134528, AL119399, AL039851, AL119522, AL134525, AL119396, U46345, AL042850, AL119464, AL119418, AL134536, AL134538, AL042973, AL043003, AB026436, AR054110, AR066494, A81671, AR060234, and AR069079.
HDTLP72	2056	799837	1 - 343	15 - 357	AP000224, and AP000086.
HDTLX24	2057	799838	1 - 615	15 - 629	AL049631.
HDIMG55	2058	959633	1 - 494	15 - 508	
HDTMH14	2059	799847	1 - 457	15 - 471	AF067844, and AF143316.
HEIAA07	2060	920257	1 - 300	15 - 314	AC003695, and AC002091.
HEIAA38	2061	907594	1 - 332	15 - 346	
HEIAB13	2062	677400	1 - 339	15 - 353	R32529, W95563, T85989, AA316471, AA046628, AA152270, T87538, AA150254, H67429, R68856, AW406467, T97847, H95214, H58974, H94342, R98261, T99568, T87539, and A1991836.
HEIAB27	2063	683474	1 - 313	15 - 327	AA768235, AA768974, AA767660, and AF033033.
HEIAB68	2064	721652	1 - 68	15 - 82	
HEIAC83	2065	920022	1 - 148	15 - 162	A1890971, AA323085, AA325999, R87547, AA196160, H04821, N83628, AA687084, AA502236,

					AA555085, AL134615, AI127133, AW439625, AI962973, AW439820, AI859849, AA683037, AI081241, AI052770, R69109, AA625787, R66922, AA744098, AI702364, AP000555, AL049563, Z86061, AL035417, AC007842, AC005043, AF001552, AC005233, AL109938, AF121782, AI034423, AC005180, AL031407, AC004682, AL031003, AC007052, AL050325, AC004931, AP000151, AL139054, D83253, AF064857, AC004955, AL031430, AP000009, AC005229, AL022328, and AC009396.
HEIAD05	2066	932397	1 - 295	15 - 309	
HEIAE05	2067	932390	1 - 211	15 - 225	
HEIAE76	2068	577254	1 - 287	15 - 301	AA659298.
HEIAG38	2069	577308	1 - 372	15 - 386	AI688963, AA308708, AW020449, AI914747, AA325521, AI537814, AI811076, AA658101, AA452879, NS5560, AI261932, AI863180, AL044468, AI888705, AI755057, AA767864, AI801031, M85982, AI140609, AW079345, AI580252, AI111171, AI684349, AA668736, AA121818, AA222741, AI434725, AI188963, AA419521, AA406457, R71593, AA278573, AA078248, AI798234, R12683, AL078602, AC001556, AP000499, AC003665, AB026898, AL031428, AF008243, AC005081, AC005015, AC004167, AC008015, AP000160, AP000018, AC003950, AC004104, AC004787, Z54246, Z95331, AF001549, AL139054, AC005581, AL049745, AC001228, AP000555, AC007242, AC004990, AL133241, Z93244, AC002430, AP000553, AC005089, AL020997, AC007384, Z49862, AC007666, AC007277, AC000052, AC004019, AL132777, AL050317, AL022316, AC005543, AC005545, AL008716, AL024509, U82828, AC004876, AC004032, AC004143, AL031779, AC005409, AC008372, AC007011, Z68162, AC003966, AC004738, AC005670, AC004106, AC004967, AC004590, AP000556, AP000557, AB017335, AC004914, AC002301, AC004878, AL031277, AC018633, AC005781, Z84466, AC005666, AL031680, AL049636, AC000353, AC006111, L34079, AC000404, AC004084, AP000167, AP000013, AP000155, AL050318, AC005837, AL023807, AC005562, AC008116, AI006216, AC005257, AP000171, AP000056, AP000124, AC004865, AP000330, AC004638, AC005325, AC007773, U91321, AC004752, AC005049, AC006344, Z98941, AC004884, AL035413, AL109865, AF024533, AC002511, AC002996, AC005088, AC004985, AC010205, AC007376, AI011930, AC006241, Z93784, AC003077, AP000067, AC005231, AL009181, AC005482, AC005391, AC004777, AC005796, AF051976, AL117375, AL050327, AC004453, AC009320, AL008639, Z85987, AC007558, AL049709, AC005086, AP000432, AC006531, AC007546, AL049553, AC006536, AC004841, AL080317, AC007390, AC005914, AL031848, AC020663, and AF001551.
HEIAH70	2070	757174	1 - 330	15 - 344	
HEIAL53	2071	466308	1 - 420	15 - 434	
HEIAO01	2072	916438	1 - 290	15 - 304	AC006241, U47924, AL035400, and Z97053.
HEIAO14	2073	851197	1 - 398	15 - 412	AI445914, H81732, AI096738, AA230155, AI963183, AI813783, AI358542, AA501781, AA746939, AI380617, AW008161, AA837000, AA654874, AL038842, AA776651, AA745096,

					AI921348, AI683131, T98915, AW023515, AI345497, AI690497, H73550, AL041458, AI624421, AI459943, AP001053, AC007382, AC006455, AC004817, AC005746, U07562, U85195, AC002563, AE000658, AC005578, AC004167, AL078595, U91629, AC003037, AC010170, AL022163, Z86064, AC005355, AP000330, AC004620, Z69721, AC004854, AL031666, AC005391, AC005379, AL049692, AL035604, Z92845, AC002470, AC003108, AL109758, AL049874, AC005088, Z54146, AC002395, AC007199, AC005529, AC005412, AC006125, AC007308, AC005596, AC007110, AC004560, AC004887, AL034417, AP000699, AL022153, AL023913, AC004644, AC005913, U65896, AL035420, AC007151, AC004813, AC005393, AC004139, AL021154, AC003963, Z83845, AL096701, AC004132, AC005049, Z93017, AC006111, AC004492, AC003026, Z98050, AP000288, Z93023, AF102137, AF060568, Y10129, Z93244, AF030453, AC007002, AL133245, AL049811, AC004067, AF196779, AC006057, AC005037, AC005162, AL035455, AC006262, AL031846, AL031664, AL031286, AL021707, AC004125, AC006538, AL031311, U91321, AC005832, AC000039, AC002117, AC002302, AL096801, AC003109, AL135746, Z97053, AC005383, AP000283, AC007388, AC005387, AP000284, AC005070, AL031432, AC008033, and AC008015.
HEIAO48	2074	917281	1 - 366	15 - 380	AA353129, AC002310, AL031295, and AL009174.
HEIAO51	2075	725649	1 - 210	15 - 224	
HEIAT07	2076	953574	1 - 348	15 - 362	AL023096.
HEIAT36	2077	576598	1 - 497	15 - 511	AW293633, and D87470.
HEIAU68	2078	753000	1 - 211	15 - 225	AI610108, AW130937, AA829185, AW197946, AC004540, Z98751, and AC009498.
HEIAV20	2079	523766	1 - 346	15 - 360	AI633518.
HEICC82	2080	781171	1 - 371	15 - 385	AI910620, AC005520, AL031432, AC004876, AC008124, AC005871, AC005822, Z77249, AC004985, AL109758, AC000353, AC004084, AC002378, and AC006111.
HEOAB19	2081	939448	1 - 308	15 - 322	AW238796, AI446252, W47453, and AB011164.
HEOAD29	2082	690762	1 - 487	15 - 501	
HEOMC23	2083	850094	1 - 391	15 - 405	AW118893, AA448473, AI376031, AI911852, N51619, AA993690, AI818630, T15650, AI014894, AA452607, AA432010, AI968348, and R43403.
HEOME43	2084	967292	1 - 1957	15 - 1971	AL043294, AL045350, AI190043, AI553975, AL043295, AA837456, AI678979, AA610597, AW118951, AA916395, AI022758, AI809435, R46582, AI688011, R82289, AI909854, AA426089, AI540672, R21690, AA634501, AI286300, T96008, AA477176, AI589160, AI024524, AI866060, AI394226, and AW299557.
HEOMF61	2085	573059	1 - 431	15 - 445	
HEOMG01	2086	916672	1 - 490	15 - 504	AL035091.
HEOMG04	2087	922824	1 - 67	15 - 81	AC004884.
HEOMG16	2088	933969	1 - 464	15 - 478	AC004997, and AC005585.
HEOMG25	2089	678190	1 - 695	15 - 709	AI546993.

HEOMG32	2090	699343	1 - 410	15 - 424	AC005247.
HEOMG48	2091	963338	1 - 470	15 - 484	AW170594, AI632286, AA319071, AP000504, AF129756, and AF109905.
HEOMG78	2092	920911	1 - 831	15 - 845	AA206565, R98750, and R71112.
HEOMH04	2093	854342	1 - 1294	15 - 1308	AA878325, AI467795, H60658, AI142916, H59844, and R48574.
HEOMH31	2094	951834	1 - 589	15 - 603	AB011169.
HEOMH77	2095	721342	1 - 401	15 - 415	AA749137.
HEOMH89	2096	787109	1 - 358	15 - 372	AI768609, AA350845, AI140661, AW207100, AW382915, R85713, AI880236, H38087, AI984926, AI828532, and AI245621.
HEOMK83	2097	918374	1 - 480	15 - 494	AB029488, and AC002536.
HEOML13	2098	893874	1 - 340	15 - 354	AC002425, and AC002544.
HEOML73	2099	724043	1 - 405	15 - 419	
HEOMM10	2100	964736	1 - 364	15 - 378	
HEOMN02	2101	913819	1 - 548	15 - 562	
HEOMO43	2102	855659	1 - 412	15 - 426	
HEOMO57	2103	795128	1 - 472	15 - 486	
HEOMP31	2104	698087	1 - 364	15 - 378	H64717, and H65208.
HEOMP73	2105	750609	1 - 407	15 - 421	AL008628.
HEOMQ17	2106	851049	1 - 630	15 - 644	AA523718, AA565660, AL042630, H55927, AW117723, AW117704, AI287787, H74201, AA528557, H62615, AI914558, AA206036, AA348884, AI473501, AC006566, AC005837, AC003663, AC007016, AC008372, AC004193, AB023057, AP000520, AC007390, AC007189, AI239321, AL034350, AC002487, AC005668, AC006992, AC004653, AC005838, AC004079, AC005915, AF055066, AF054594, AF035666, AC007652, AP000008, Z79028, AC005823, AC004134, AL049697, AC005821, AC004531, and Z82198.
HEOMQ75	2107	965882	1 - 560	15 - 574	AL033522, AL137100, AC005089, AC005899, AC004031, AL080243, AC007688, AC007707, Z82178, AC004686, AC005488, AC022517, AC006581, AL031662, AC005072, AC005529, U91323, AC004963, AL009181, AC002425, AL031659, AC004878, AC005722, AC004531, AC003101, Z84466, AC005015, AC004616, AC004966, AC005800, AF006752, Z84487, AC005996, AC002300, and AC005479.
HEOMQ80	2108	835599	1 - 431	15 - 445	
HEOMR13	2109	657317	1 - 657	15 - 671	AA136577, AI806102, AI086830, AW080440, AW130093, AA129563, AW402817, AW025074, AA101113, AA502991, AW148507, AA630672, AA837087, AW403644, AA127426, AA483108, AA809546, AW177794, AA858372, AW177801, T77680, AI627614, AI611960, AI583255, AW328000, N23504, AI524360, AW128884, AW128900, AA634837, AA654661, T06917, AA455483, AI537458, H68017, N58329, AA633762, AI002744, AL037052, AA326139, AA552955, AA402129, H25921, AA331301, AI907530, AI086646, AA487872, AA845659, AA380354, AI656774, AI119600, AA773463, AA847095, AW250026, AA551181, AA629872,

					AA092571, AW081303, H82185, AA345064, AA663512, AL046402, AA769429, AL045954, AA070345, AA828637, AA493136, AL638635, N71685, AA847096, AL798493, AA370455, H12383, AA807583, T47084, AW270258, H93097, AW168520, AL009182, AC007461, AC004963, AL034401, AC004655, AC005191, AL031033, AC005602, Z82214, U15177, Z98036, U81031, AC000028, AC002070, AL049778, AL122021, AC007381, AC005796, AC006323, AC009044, AC006057, AL049540, AF165142, Z93241, AL080285, AL121877, AC002527, AL008719, AC006312, AC004497, AC002106, AC004036, AC005207, AC005949, AC006125, AC005626, AC005955, AC005756, AP000096, AL035701, AP000240, AF069291, AF015262, AJ229043, Z83844, AC000029, Z83822, AL050338, Z98752, AF200465, AC007057, AL049872, AR036572, U91328, AL021397, AC002073, AC007226, AL035089, AC005730, AP000362, AL031297, AC004000, AL021154, L78810, AL121782, AC005377, AL021546, AC006552, AC005214, AC006365, AL133353, AC005011, AL022721, AC004612, Z69719, AC007774, AL049576, AC004548, AL035460, AL031667, AC004098, AP000967, AL049569, AC003101, AL031186, Z69917, Z82976, AL035681, AF017115, AL033376, AC005245, AC005366, AP000563, AL021330, AC006039, AP000246, AP000211, AP000133, AP000208, AP000130, AL049539, Z86061, AC004525, Z94721, Z84487, AC005726, AC005529, AC004966, Z69925, AC002288, AC007205, AL008637, AL031597, AC002299, M63796, AC005924, AL030995, AL023553, AL078639, AC007227, AC006273, Z81364, AC006958, Z98744, AC005476, AL049861, AF064858, AC006165, AC000070, AF049895, AL033527, U91321, AF002991, AC004152, AC007191, AC003109, AC004522, AL022158, Z98946, AC010170, AC009330, AC005081, AL031311, AL133163, AC006515, AC004531, AC005682, AC004685, U71218, Z81000, AC006930, AC005578, AC005838, AL121591, AC004707, Z97056, AL110502, AC006487, AC004999, AC006013, AC006950, AC005952, AP000255, AC004814, AP000213, AL096763, AC004070, AP000135, AP000031, U91326, AL022318, AC006313, AB023051, AC004644, AP000251, AP000030, AP000134, AP000212, AC004542, AL132642, M87914, AL008723, AC005500, AC004821, AL031985, AF135025, AF084941, AF052685, and D86992.
HEOMR57	2110	575739	1 - 298	15 - 312	
HEOMR92	2111	963130	1 - 397	15 - 411	AF150377.
HEOMR96	2112	855652	1 - 646	15 - 660	
HEOMS08	2113	959581	1 - 193	15 - 207	
HEOMS65	2114	969184	1 - 474	15 - 488	AA35836.
HEOMS85	2115	662928	1 - 400	15 - 414	AC003695, and AC002091.
HEOMS92	2116	735720	1 - 341	15 - 355	AL137718, AA810404, AA810193, A1919569, and AA732716.
HEOMT38	2117	850980	1 - 433	15 - 447	AA281379, and AA805453.
HEOMT79	2118	936687	1 - 502	15 - 516	T87253, U73628, and AC002554.
HEOMU07	2119	953475	1 - 244	15 - 258	AC012085.
HEOMU23	2120	675971	1 - 374	15 - 388	R25873, AA730123, A1979259, A1982610, A1985694, AW130285, AL022067, and U08185.

HEOMU79	2121	965900	1 - 543	15 - 557	AL048427, AL119511, AW151974, AI434242, AI538850, AI538855, AI872423, AI690472, AI445620, AW058275, AI866469, AI500714, AI859991, AI860003, AI432644, AI440260, AI537677, AI494201, AI804505, AI500659, AI815239, AI866465, AI815232, AI801325, AI866691, AI500523, AI887775, AI582932, AI923989, AI284517, AI590043, AI500706, AI445237, AI491776, AI926593, AI289791, AW151138, AI889189, AI521560, AI500662, AI285417, AI539800, AW172723, AI582912, AI284509, AI889168, AI440263, AI927233, AI866573, AI633493, AI434256, AI805769, AI888661, AI952433, AI284513, AI888118, AI285439, AI436429, AI889147, AI623736, AI355779, AI581033, AI371228, AI491710, AI440252, AI431307, AI282249, AI440238, AI567971, AI866786, AI610557, AI431316, AI242736, AI539260, AI828574, AI887499, AI539781, AI431238, AW081122, AI702065, AI539707, AI885949, AW089557, AI559957, AI285419, AI521571, AI469775, AI866581, AW074057, AI815150, AI567953, AI446495, AW151979, AI867068, AI225248, AI358271, AW151132, AI698352, AW022636, AI890907, AI225000, AI371229, AI431323, AA477608, AL042365, AW169213, AI538881, AW079432, AI923061, AI687614, AW194509, AL047422, AI539771, AI891102, AI879377, AL047398, AI866458, AI469764, AI371251, AI866510, AI623302, AW081133, AI538764, AI866461, AW151136, AI923046, AL043152, AI554485, AI887785, AW130168, AL043168, AI049859, AL041862, AA651819, AI561170, AL048403, AI690946, AI889191, AI648567, AL042686, AL046356, AI433157, AI610426, AI554821, AL045500, AI589947, AW129310, AI819663, AA729782, AL119457, AI312428, AI540446, AI564459, AI273179, AI934000, AI368816, AI371243, AW058279, AI434240, AL042533, AI702406, AL039390, AW080700, AA641818, AI671642, AI860865, AA878808, AI961589, AA738104, AI582910, AI687587, AI798359, AI500683, AW079158, AI356470, AI493559, AL042655, AA939199, AI355008, AI521566, AI499104, AI274759, AL046990, AI630898, AL042416, AI539863, AI366900, AI433976, AL045466, AL042488, AI924051, AL043089, AW161202, AI049850, AI366910, AI469516, AW071349, AI349245, AI561177, AW020419, AW082113, AL040459, AL047611, AL040207, AI582926, AI049851, AI491904, AL040844, AL043321, AI365256, AI565932, AW080565, AA070889, AA575874, AI499463, AA648480, AL045626, AW191003, AI355126, AI537187, AI564500, AL045166, AW197139, AI354981, AI240602, AI610362, AL042544, AI440239, AI567961, AI521596, AI436438, AI828572, AI275175, AI521589, AI310500, AI537273, AI537191, AW151970, AI371265, AI436456, AL046681, AL039287, AW004595, AI887765, AI963846, AI049856, AC015853, AF055917, AR034821, AL080129, AF100781, AL050092, A58524, A58523, U30290, E12580, AL122049, AL117460, A45787, AL133049, AL133084, AL133070, E12579, AR011880, I48978, AL133053, AL137558, AL049423, AF118090, AL133015, AL133608, AL110159, AL137656, AL035458, U49434, X67813, M79462, D44497, AL049314, AL122101, AL096720, A08910, AL050024, A08909, AF084644, AF084645, AF114168, Y11254, U77594, AL122100, A08908, U68387,
HEOMV11	2122	847274	1 - 282	15 - 296	

					AF008439, Y11587, AR068466, AF067728, E13998, E06743, Y10655, AL117438, X95876, Z82022, AL049452, X72889, X82434, AB022159, AL137463, AL133629, AR038854, I79592, D00174, Z37987, AL050138, Y00093, AL133665, S77771, AF113694, I46765, AF183393, L13297, A08912, I89947, AF002985, AF161699, I48979, AF026008, AF137367, U35846, AF043642, AC004213, AL049465, U92992, AF113677, L19437, L10353, A07588, AF097996, I17767, E15324, X54971, AF038440, AL117435, AL133072, AF077349, AR020905, A1001838, X70685, X72624, M30514, M85165, AL133607, A93350, AF017152, AL110221, AL050108, AF061981, AL080126, AL049466, X98834, L24896, X72387, S61953, S75997, AL137429, U13676, AF118558, I09499, U57352, AR005011, Y14634, AL137480, I03321, AF162270, AC007114, X81464, AF113690, X76228, I28326, AF118064, X87582, Z72491, AL137648, AF000301, AL133010, AL137548, AF151109, Z97214, AF081195, Z82206, X56530, E03348, Y10823, AL137640, AL137523, U58996, AL137529, AL133568, AL080148, AF106862, U72620, E12747, AF074604, AF215669, AL137560, AL122111, L30117, AF026124, AL050116, U66274, A12297, AL137292, AF000145, AL137267, Z49258, AF095901, Z93784, A32826, A30330, A32827, A30331, AL080060, Y11435, AF012536, AF076464, AF017437, AF119336, Y10936, AF081366, AF093119, AF069506, A44314, AL049464, S69385, AL133655, AL117585, A07647, X93495, AF108357, X53587, A08913, AL008706, I00734, A70386, U75932, AF078844, S63521, AF118094, AL133558, A41579, X60786, AL137478, A77033, A77035, A08916, AF073993, AL137271, AR012379, AL133016, E00617, E00717, E00778, AF016271, AF119358, AL137521, AF040723, A1012755, AL137479, AF081197, AL137476, AL122123, AL022170, A15345, AF067790, AL122110, AL137283, AL080159, I33392, and AL133081.
HEOMV16	2123	958211	1 - 452	15 - 466	F11697, AA194124, AC005999, AC006547, AC005663, AC005664, and AC005160.
HEOMV54	2124	866586	1 - 518	15 - 532	AI819924, AI139693, AA658096, AW340876, AW196652, AW388936, AW117675, and AI146863.
HEOMV81	2125	915093	1 - 491	15 - 505	Z85996.
HEOMW26	2126	418125	1 - 386	15 - 400	
HEOMW83	2127	659808	1 - 341	15 - 355	
HEOMX04	2128	615337	1 - 287	15 - 301	AI309389, N49368, AI433008, AI344822, AI611016, AA618452, AI271126, AL137998, R69717, AI744826, AW269117, AW385452, AI963720, AW303002, AA018283, AA490183, AA780468, AA349927, AL039958, T41247, AA661921, AI307486, W74144, AI345157, AI700109, AA483929, AL138455, AI249573, AI732151, AA279421, AW264934, AI694130, AA724922, AA747070, AL041619, AL046409, AW069769, AA486131, AI754336, AA533333, AI306324, F00107, AA780515, AW003107, AL138396, AI925579, AA482711, AI610603, AI696962, AI369580, W77807, W72692, AA838190, AW088846, AA654781, AA480792, AI791913, F05324, AI792133, AI821714, AA206721, AA493136, AI610840, AA553406, AA218835, N47224, AW190615, AA478355, AI431303, AI499588, AA493894, AA774059, AI393931, AI004704, AA834707, AI270117, AW088616, AA630672, AL045808, AL046156, AW023990, AW268757,

AA613591, AI088768, AI285753, AW268918, AW303150, AA584195, AL042753, AI312955, AA601253, AI597820, AI953275, AW163293, AI271028, AA579179, AI792261, AI204959, AW328488, AA493975, AI524037, AL037850, W45625, AW302903, AA572798, AI907711, AW275510, AI217937, AI633025, AI119713, AI471887, AA658406, AA584692, H71429, AA290624, AW167881, AF034184, AA455670, AI823688, AI027459, T06822, H23653, AW148507, AI611462, AI084294, AI583283, AA112692, AA112672, AA831787, AA084337, H86363, AA640410, AA640430, AL037683, AW161978, AA584201, AW104030, AI031973, AI638561, AA101689, AA584805, AI284640, AI094787, AW102846, AI345827, AI370074, AI754253, AL043289, TS9244, AW235497, AW263415, AI167356, AA508359, AI687343, AL037554, AL045813, AL044940, AI349817, AL046746, AL046266, AI924872, AW268954, AL120343, AC004814, AL109758, AC007227, AF199339, AC006972, AF084195, Z99943, AC004881, AC006442, AC004687, AC005363, AP000507, AC004028, AL109984, D84394, Z98051, AL009179, AC006101, AF165176, AC006019, AC005684, AL031848, AC007151, AC002507, AC004650, AC005728, AC002452, Z72001, AC005839, AC004916, AL078463, AC004765, AC003070, X06123, X61109, AC006537, U62293, AC005057, U80017, AC005914, AL031228, AL049829, AC008038, AL109839, AC004979, AF165175, AC007200, AC004987, AL079340, AC004982, AC006305, AC009223, AL109657, AC005291, AL078589, X69951, AP000204, AP000126, Z95124, AC004254, AL049761, AC004070, AL096862, AC004849, AC002300, U91318, AL133445, AC006430, Z95114, AC005046, AF015151, AF141309, AC004030, AC005217, AC006323, AC005049, AC006965, AF126403, AC004492, AC002429, AC006356, AF057280, J03818, X55929, AB014078, AP000244, D87008, AC004761, AC005525, AC005790, AC005203, AC005604, AC007229, AC004209, D88268, AC006139, AC005335, AL023579, AC004756, AC004775, AL022477, AC005031, AL049562, AL117342, AC002383, AP000503, AP000514, AL035694, AC012627, AL049544, AL031293, AL021155, AL035407, AC006205, AC004941, U91319, AC005378, AC003003, Z84487, AL023581, AC007671, AC009044, AC008014, AL023807, AC007546, AC007057, AL049832, AC007655, AL022323, AC006459, AC006111, AC007537, AC007363, AC005859, AF002223, AR036572, U91328, AC004019, X54180, AF030880, Z83836, X03272, AC005575, Z84485, AC005250, AC002467, AP000158, AC005231, AL031274, AC004601, AL020997, AL031664, AC006075, AC005906, AC004470, AC005406, AP000014, AF038667, AL021397, AP000339, AC004935, AP000217, AL031286, AC004222, AC003075, AC005295, AC004861, AC003074, Z93931, AL022316, AC007395, AC007011, AC018359, AL049872, X55933, Z92845, AL035361, AL022302, AC005182, AL033533, AC004913, AL034451, AL033518, AC003982, AC006251, AC003957, AC005177, AL078603, AC006989, AC006226, AC008126, AC002457, AC006241, Z98941, U95090, AC003030, AB026584, U63630, AC005603, AC004232, AL031300, AP001043, AL035634, AC003691, AP000282, AC007536, AC012599, AP000108, AP000040, AL034373, AC000159, AC004857, AP000365, AP000462, AC007304, AC005389, AC004773, AP000548,

						AC007237, AC001231, AC005968, AL109753, AL031311, AL035552, AC004057, AP000473, AL034549, AL009172, AL117258, AC009743, AP000555, AB017654, AC006376, AC002449, AC005920, AC007637, AC006377, AC007514, AC005084, AC006160, AC005939, AC005815, AL133163, AC007919, AC006552, AC009399, AC004531, AC007073, AC009891, and AC005701.
HEOMX61	2129	958233	1 - 535	15 - 549		Z98950.
HEOMX65	2130	575919	1 - 451	15 - 465		
HEOMX92	2131	919200	1 - 422	15 - 436		N63479, T66032, AA196156, T47172, AA305334, AL124664, AL537310, AA401240, AA761876, AA769559, AA404287, AL925653, AA314294, AA581238, AA312605, AA032022, AA031911, AA425438, AA468322, F00487, AA420494, AA324750, U95740, AC004770, AL049759, AL033524, AC006237, AL035458, AF086934, AC005572, AC005772, AL109623, AC006211, AC004938, AP000354, AC006996, AC002492, AP000964, Z98946, AL110122, AC002091, AC004084, AL022165, AL008382, AL023581, AC004888, AC006511, AC006057, AC006512, AL049829, Z47066, and AC007381.
HEONC06	2132	855649	1 - 643	15 - 657		
HEOND75	2133	918209	1 - 314	15 - 328		
HEONI79	2134	506226	1 - 333	15 - 347		
HEONK15	2135	660365	1 - 430	15 - 444		H06248, H13011, M89651, and AF004222.
HEONM30	2136	692726	1 - 311	15 - 325		AC007032
HEONM69	2137	855638	1 - 507	15 - 521		AC000393, and AF081946.
HEONN28	2138	745144	1 - 454	15 - 468		AL041375, AL053477, AW274078, AL431513, AL376239, AW089016, AA225890, AA503298, AA664604, AW162047, AW162303, AA557945, AL014843, AA947375, AW270258, AW078909, AW193493, AW302315, AA609834, AA947265, AW341955, AW089950, AA657374, AL439910, AA478602, AW190484, AL865196, AA489390, AL243793, AA669234, AL610737, AL039187, AW243793, AA483606, AL572680, AL371208, AA299589, AL292317, AL565126, AA405726, AA570740, AA652834, AA492105, AA805848, T74524, AA287570, AL473671, AA720732, AW068008, AW068007, AA255853, AA568204, AL654738, AA469230, AA487475, AA608520, AL039089, AL049869, AC002316, M87914, AC007371, AC004491, AC004084, U47924, AC005089, AC006597, AC002996, AC006509, AP000689, AC007536, AC007637, S42653, Z86090, AL080243, AC005632, AL049776, AF196969, AC006948, AC004890, AP000704, AL096791, AL031848, AL049636, AL022326, AC007358, AP000688, AC005037, AC002543, AL031005, AC003098, AL035587, AF047825, AL096712, AL133396, AC004455, AL121653, AC002038, AC000087, AC005696, AD000092, AL049830, AL031776, AL024498, L24093, AC004796, AL022322, AC005837, AL049570, AC005800, AC009510, U07561, AL096701, AC005913, AL117258, AF205588, AL035403, AF001549, D87675, AP000252, AP000065, AP000556, AL034418, AL035088, AC003663, Z83844, AC006064, AC002312, AL023807, AL049692, AL133500, AC005081, AC005365, Z98200, AC006511, AP000134, AP000212,

HEONQ81	2139	792074	1 - 283	15 - 297	AC000353, AF048729, AC004887, AL009182, AE000658, AL121603, AP000090, AC005914, AC005871, AC005900, Z95152, AC002544, AC006312, AL031311, Z49866, AP000692, AC006211, AC004492, AC005736, AC002546, AC004859, AC005924, AL117337, AC005209, AL035685, AC004973, AC004953, Z69705, AL080317, AC002350, U85195, AL031985, AL034555, AC004024, AC007546, AC005476, AC004253, AP000008, AC006115, AC004815, AC002404, AC007327, AL121934, AL121658, AC004858, AC004754, AC004983, AC004453, AC005049, AC007421, AC004134, AP000553, AC012384, AL031681, AL135744, AC002381, AC005015, AC005568, AL133245, L78833, AC005669, U91327, AL133246, AL021394, AL050343, AL049709, AC002301, AC000134, AC002365, AL021578, AL049795, D86995, AC005338, AC005409, AC008372, AC002390, AC004686, AC005899, AL049646, AL109952, AL049588, AL132987, AL022721, AC003070, AF207550, AC003104, AC006251, AC007216, AC004821, AC005277, AC006241, AC005274, AP000128, AP000206, AC004797, AC005538, AC006538, Z98884, AL035422, Z83838, AC006011, AC005796, AC006117, AC002310, AC009247, U95742, AC007199, AC004910, AC005808, AC005754, AL035458, AC005746, AC009516, AC002126, AC002091, AC006571, AC005488, AC007151, AC005775, AC007114, AC020663, AC007221, AL031597, AL035414, AC005856, Z99943, AC002551, U91323, AC007382, AC003684, AL049569, AP000355, AC005527, Z69042, AC003109, AP000555, AC005513, AC004841, AC004033, AL022343, AP000696, AC005291, Z97181, Z49258, AC008040, AC004019, AP000114, AP000046, AC005531, AC004466, AC002463, AC006501, Z49154, AC005255, AP000557, Z98050, AC005755, AF134726, AC005412, AC003110, AC004884, AC004659, and Z95115.
HEONP93	2140	792377	1 - 368	15 - 382	AW392300.
HEONQ08	2141	959556	1 - 699	15 - 713	AI378653, and H97239.
HEONQ19	2142	930705	1 - 897	15 - 911	AA532915.
HEONQ58	2143	965881	1 - 506	15 - 520	AI625739, AW272001, AI435829, AA147072, AI609268, N91272, AA147105, AA834526, W27700, AA126003, AA602530, AA398168, AW294288, AW004619, AI202250, AL119565, AB007884, and AI250425.
HEONQ65	2144	967588	1 - 340	15 - 354	AA683299, and AC005075.
HEONQ69	2145	556544	1 - 355	15 - 369	
HEONU26	2146	577429	1 - 491	15 - 505	AA845825, AA503018, AI862790, AI240919, AI246061, AI792537, AI270853, AI252826, AI254046, AI251643, AI435754, AW086343, AI224728, AW301997, N29930, AI271005, AI249565, AI254826, AW271081, AI224422, AI251312, AI252060, AW302086, AI254783, AI307025, AI472990, AI254056, AI254683, AI223591, AI252493, AI284764, AI224311, AW086227, AI435696, AI053574, AW167330, AI362442, AI682310, AI884861, AA857812, AA862014, AA340153, AI864500, AA468494, AI255060, AW271137, AI252996, AW302016, AA678616, AA662905, AI683019, AI289050, AA076473, AA728911, AI085095, AI284092,

AA364150, AI499941, AI185394, AI472782, AI419337, AI361090, AA633565, AA084950, AA935380, T34558, AL119563, AA484892, AI421950, AW026305, AI054090, AI690335, AA486352, AW054936, AA468956, AI249853, AI284543, AI254770, AI798242, AI251944, AI251034, AI251203, AI251284, N76555, AI250552, AI279417, AA665304, AI570805, AW021007, AI049534, AA741301, AL138065, AA579399, AW192518, AW078821, H39839, AW408767, AW390284, AI347665, AA644223, AA599749, AA581498, AI472736, AW265688, AI355246, AW328370, AA224525, AW440568, H86579, AA678932, H25626, F09355, AW081610, AA345594, N67313, AW342143, AA757426, AA610713, AI803741, H93152, AI889995, AA773881, AI538236, AA126814, AI671077, AI251241, AI678476, N75708, N25079, AA018923, AI065043, AA012829, AA244181, AI223626, AA197019, AA610775, AI591134, AA558366, AW019964, AW079667, AW303098, R35259, AI890753, AI343669, AI309121, W44359, F17537, T08386, AI863246, AA618240, AA678622, AA610255, N70449, AI791718, H10454, AI860535, AA748071, AI285493, AA916430, AI312090, AL044488, AI312784, AI133906, AL133902, AI866996, AA426451, AI889426, AI520967, AI760700, AA572983, AI376197, AI567941, AA019542, AI679759, AI205783, AI523865, AI114653, AA714955, AA053463, AI889579, AI524957, AA632988, AA295893, AW087226, AA501441, AI550282, AI270442, AA083681, AC006010, AC005274, AC005004, AC007738, Z84466, AC004933, AL034549, U80017, AC005539, AF124730, AL031387, AC004111, AB014077, AC004209, AP000513, AL022578, Z92540, AC009399, AC002432, AF001549, AC004787, AC004531, AC007899, AC007462, Z84469, AP000281, AC002066, AC003695, AP000260, AC005031, AJ133269, AL049611, AC005886, AL031651, AP000039, AP000099, AC005377, AP000036, AC005696, AC006501, AC004000, AP000046, AP000114, Z73496, Z96074, AF017104, AC002480, AL031177, AC005728, AL049591, AL022162, AC002531, AC002377, AL133246, Z94056, AF095901, AL031589, AL022394, AL024508, AC004999, AC010206, AF067844, AL132987, AC005740, AC006080, Z98946, AL035530, AC002538, AF217403, AL049650, AL022337, AC005071, AC002559, AP000688, AL035696, AC007253, AC005822, AL031230, AL008729, AL078593, AC011625, AL049176, AL035652, AC009330, AL034553, AC001231, AC005969, AL050350, AC005344, AC008119, AP000113, AP000045, AL049779, AC007546, AL035400, AC009542, AC008498, AL078581, AC004811, AC005295, AC006459, AC005323, AC004253, AC006367, AC004808, AC006443, AC007228, AL078584, D87009, AL024474, AC007016, AC002352, AC006552, U91325, AC006000, AC005609, Z99570, AL049569, AC005099, AC007298, AC004694, Z98751, Z68273, AC004552, AC007386, AP000506, AC005058, AC004950, AC004584, AF191071, AL033381, AC004228, AC008928, AL117356, AF123462, AB000882, AC004831, AL109865, AC007240, AC006013, AC003003, AF003528, AL035089, AC005826, Z97054, AL049760, AC006379, AL022165, AC005725, AC002070, AC006450, AF031076, AC004072, AL133321, AF031075, AL117258, U96629, AF139813, AL135879, AL121790, AF064858, U91321, Z98884, AL031595, AC005304, AC005017,

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HEONU75	2147	851054	1 - 215	15 - 229	
HEONV59	2148	949152	1 - 376	15 - 390	
HEONW15	2149	575812	1 - 379	15 - 393	
HEONX19	2150	668740	1 - 363	15 - 377	
HEONX49	2151	485897	1 - 480	15 - 494	
HEO0B36	2152	830013	1 - 363	15 - 377	
HEO0D03	2153	923505	1 - 502	15 - 516	
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HEOD59	2154	738991	1 - 397	15 - 411	
HEOV40	2155	710800	1 - 357	15 - 371	
HEOPE28	2156	926837	1 - 589	15 - 603	AA286964, AL568687, AL680899, AA809497, AA746098, AA287967, AW452688, AA814524, AW130037, and AB028989
HEOPE58	2157	851009	1 - 463	15 - 477	AL078634, AP000117, AP000194, AP000313, and AP000050.
HEOPF03	2158	839868	1 - 530	15 - 544	AC004954.
HEOPF18	2159	918405	1 - 407	15 - 421	
HEOPF25	2160	934171	1 - 510	15 - 524	
HEOPF33	2161	969695	1 - 406	15 - 420	AA810065, AW205048, and AC003959.
HEOPF56	2162	850925	1 - 687	15 - 701	U81192, AP000325, AP000054, AP000122, and AP000169.
HEOPG01	2163	915047	1 - 476	15 - 490	AL031667.
HEOP169	2164	883161	1 - 580	15 - 594	
HEOP173	2165	850936	1 - 597	15 - 611	AL121760.
HEOPJ41	2166	855634	1 - 536	15 - 550	N91672, AC008122, AP000558, AC009516, U91318, AB020864, AP000555, AF003626, AP000501, AL049779, AP000553, and AL031984.
HEOPK43	2167	930942	1 - 649	15 - 663	
HEOPK47	2168	966327	1 - 699	15 - 713	AC006987.
HEOPK52	2169	883170	1 - 475	15 - 489	AC005913.
HEOPK90	2170	850883	1 - 624	15 - 638	
HEOPN73	2171	851002	1 - 504	15 - 518	
HEOPN78	2172	918205	1 - 314	15 - 328	
HEOPN95	2173	973440	1 - 732	15 - 746	Z99396, AW392670, AW372827, AW384394, AW363220, AL119497, AL119355, AL119457, AL119319, AL119483, AL119324, AL119431, U46341, AL119484, AL119391, U46349, AL119522, AL119363, U46350, AL036418, AL038837, U46351, AL119341, AL119335, AL119418, AL037051, AL036725, AA631969, AL119396, AL119496, AL036858, AL037205, U46347, AL119444, AL043029, AL042984, AL119439, AL119401, U46346, AL042614, AL039074, AL036924, AL142132, AL134525, AL134538, AL042544, AL142137, AL042965, AL042975, AL134902, AL119399, AL134536, U46345, AL043019, AL043039, AL043033.

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HEOP008	2174	958184	1 - 422	15 - 436	
HEOPP30	2175	850916	1 - 418	15 - 432	R93882, R99079, AA846981, N70425, AL271762, AA563770, AC007225, AC004019, AC006121, AC000052, AL031427, AC007279, AP000690, U95740, U73167, U90094, AC006071, AL049569, Z77852, AP000151, AC005484, AC005014, AC008154, AC005539, AC002565, AC002314, AC003665, U80017, AC004084, AC007993, AC007731, AL008718, AC005500, AC004491, AF001550, AC005081, AC005932, AC000159, AC000134, AC005952, AC020663, AL121653, AC005535, AC005844, AL049793, AC004851, AF205588, AF196969, AP000513, AC006084, AL13244, AB023049, AC006146, AP000115, AC004820, L78833, AC005295, AC006449, AC004686, AL031846, AF196970, AC005046, Z99716, AC006111, AL031255, AF042484, AC007226, AC006487, AF045555, AC005829, AC004910, Z85996, AC005920, AC003101, AC005921, AC002059, AL008582, AC005412, AP000694, AC005049, AP000689, AL109753, AC005527, AC004900, AC004797, and AC004999.
HEOPQ06	2176	934147	1 - 637	15 - 651	AA631942, AL086196, AC005590, AC004224, AL022330, AL096678, AC004032, AC004645, and AC006237.
HEOPW04	2177	850948	1 - 721	15 - 735	
HEOPW38	2178	926764	1 - 520	15 - 534	AC005189.
HEOPW67	2179	840050	1 - 542	15 - 556	
HEOPX85	2180	855625	1 - 200	15 - 214	AL889579, AL160786, F35684, AL355246, AW019964, AA736485, AA805014, T50676, H69992, AA837771, AA256107, AA077619, H60313, AW020198, AW373604, R67701, T83057, AA668905, AW247338, F19643, T62078, AA600132, AA634242, AA487226, AL915081, AA214457, AA354324, Z92546, AP000353, Z95979, AC004882, AC005529, AP000115, AC002077, AP000086, AC006211, AC006120, AC005018, AL009182, AC005620, AL009029, AC006084, U62317, AC004820, AC007225, AC006530, AC004701, AC005881, AC004815, AL031595, AL031984, AC005519, AC005094, AC004663, Z82179, AC002988, AC005255, AL121603, AC004859, AL035405, AC005559, U47924, AC005740, AL035086, AC003692, AP000312, AP000193, AP000050, AP000117, AF001549, U52111, AL035703, AC005412, U91321, AL121658, AC004659, AL031587, Z98946, AC007388, AC006111, AC004762, AL049553, AC005031, AC000079, AL109963, AL022398, Z84487, AC000068, AL022334, AL008635, AC005532, AC006011, AC005046, AP000510, AC007057, U62293, AC005057, AF196972, AC005666, AL109827, AC007308, U80017, AC002470, AC005921, AP000688, AB026899, Z93244, AC007425, AC004216, U95743, AC005257, AF047825, AC005488, AC004675, AF207550, U89335, AL049434, Z98051, AP000221, AP000085, AL049795,

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HEOPY05	2181	918438	1 - 494	15 - 508	
HEOPZ02	2182	918407	1 - 493	15 - 507	AW392670, AW363220, AL042614, AW372827, AW384394, AL119444, Z99396, AL119443, AL119341, AL119319, AL119457, AL119497, AL119324, AL119483, AL037205, U46351, AL119355, U46349, AL119484, AL119363, AL119391, AL119418, AL119335, U46350, U46347, AL134524, AL134902, AL042978, AL119396, U46346, AL119522, U46341, AL042965, AL042975, AL042984, AL119401, AL134525, AL119496, AL119439, AL142132, AL043019, AL134920, AL119399, AL042433, U46345, AL042896, AL042450, AL043029, AL134536, AL134538, AL042544, AL042970, AL142131, AL042542, AL042551, AL119464, AL043003, AL119488, Z99572, AR066494, A81671, AR060234, AR054110, AB026436, AR069079, and AR043113.
HEOPZ05	2183	928257	1 - 166	15 - 180	AW090604, and L01057.
HEOPZ11	2184	965970	1 - 462	15 - 476	
HEOPZ29	2185	878503	1 - 381	15 - 395	AA347231.
HEOQB30	2186	909899	1 - 658	15 - 672	AA280922, AA090210, A1264291, AW148672, AA769639, and D29642.
HEOQC10	2187	963398	1 - 386	15 - 400	AA837771, AA573000, AA768179, AA635433, AA993165, AA664248, D51877, AA385775, AA302660, AW419389, AA515172, AA527109, AA568314, T07285, A1521042, T17135, AA078137, A1246061, AA078184, AA714073, H85887, AA610374, AA668148, A1244985, AA743968, R61195, AA720582, A1743129, AA832124, AA371410, H27788, AW089950, AA662629, R87135, A1572680, A1223968, AA348271, AW105463, AL044793, AW341882, A1653783, A1761566, AA078509, AA658853, W39287, AP000115, AC004859, AL031781, AC005071, AL031133, AC005037, AC005004, AF001549, AC005722, AP000355, AL133445, AL021391, AF047825, AL031985, AC004587, AC005300, AC005193, AP000212, AP000134,

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HEOQC76	2189	909032	1 - 645	15 - 659

HEOQE04	2190	922876	1 - 480	15 - 494	AA381451.
HEOQF77	2191	850974	1 - 403	15 - 417	AA714278, AA827817, AA483603, AI032875, R44616, AL036300, AI243933, AA135806, AI904051, AL008630, AC002352, AC004893, AC002115, AC002045, AC005089, AC005756, AC005952, AL031273, AL020997, AL031311, AC005067, AP000313, AP000194, AP000050, AC011504, AF001548, AP000117, AC005488, AC004491, AF053356, AC004659, AC004834, AC002364, AL096775, AC000113, AC005551, AC005081, AC005086, AL031686, AC003666, U63313, AC004897, AL117694, AC004382, AC000082, AC004883, AC005792, AL049539, AC004905, AP000032, AC002425, AC005479, AL035088, AC002070, U91323, Z97055, AL033517, AF003529, AC005049, U96629, AC003101, AC000070, AC005620, AC002527, AF196972, AP000355, AC009288, J03764, AP000013, AP000154, AC005015, AC004653, AC002302, AC000091, AC002310, AF030453, AC005088, AC007207, AC004841, AF184614, AC002522, AC004602, AC000095, AC004528, AF024533, AL035073, AC005841, AP000008, AC005800, AL049745, AC002992, AC002312, and AC022517.
HEOQG73	2192	958109	1 - 584	15 - 598	R95051, AA491864, AI745457, AC004770, AC004228, AC002470, AC005550, AL031670, AF053356, AC000092, AC005527, Z85986, AC000134, AC005529, AP000555, AP000885, AL034429, AC004530, and AL008709.
HEOQG80	2193	850971	1 - 448	15 - 462	AI868365, AL132777, AL031651, AF111168, AC002115, AC002381, and Z68323.
HEOQH81	2194	934100	1 - 597	15 - 611	AA708108, AA504896, AA811208, AI590941, AA486226, AC004883, AC005529, AC005015, AC005527, AC002470, AC002375, AC004895, AC005971, AC004598, AL031286, AC007537, AC000025, U82671, AC007216, AF001549, AL009181, AL035458, AC005081, AC002316, AC004974, Z69917, AP000298, AC005690, AC005277, AL078587, AL109627, AC005538, AC004531, AF039907, AL031668, AC000134, AP000701, AL049757, Z82182, AC005274, AC005011, AL049869, AC006017, AP000354, AC003684, AL008718, AC009516, U78027, AP000044, AP000112, AL021368, AL035413, AL031311, AL035422, AL031295, AC005377, AL031428, AC009731, AC004858, and AC007308.
HEOQI11	2195	965973	1 - 587	15 - 601	AA533768, AI820985, AA620562, AI720732, AW404354, AA088727, AW082470, AA984114, AI590906, AW089604, AC006036, AC005548, AC005972, AL031662, AC004185, AP000509, AC004024, AF017104, AF141309, AP000563, AL049845, AP000210, AP000132, AC004522, AF129756, AC008009, AC006211, AC000062, M64231, AP000348, AC006504, AL050343, AC002477, AC004087, Z74739, AL023494, AC007684, AC003043, Y14768, AC004874, AP000505, D84394, AF165926, AC007102, AC008063, AC007639, AC004491, AC004887, AF196972, AC004253, AC005484, AC004787, AC016831, AP000503, AL133312, AF134726, AL035667, and AL121653.
HEOQJ11	2196	879559	1 - 552	15 - 566	AC002536, and AB029488.
HEOQK70	2197	934370	1 - 601	15 - 615	AI383451, AL119484, AW392670, AL119439, AL134530, AL134519, AW372827, AL119391, AW363220, AL119319, U46347, AW384394, AL119457, Z99396, AL119324, AL119522, AL119363, AL119355, AL119497, AL134528, U46351, AL119341, U46350, AL119396,

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HEOQK72	2198	847285	I - 147	15 - 161	AL045891, AL135012, AL134524, AL043089, AL045327, AL043321, AL042488, AL042655, AL046356, AL432644, AL047163, AL431307, AL047611, AL042898, AL042515, AL045328, AL041862, AL042508, AL431316, AL432666, AL042853, AL042729, AL042931, AL040207, AL042787, AL043091, AL623302, AL043239, AL431238, AL047675, AL042533, AL866786, U46344, AL690946, AW151136, AL539771, AL537677, AL494201, AL500659, AL866465, AL815232, AL801325, AL500523, AL538850, AL887775, AL582932, AL923989, AL284517, AL872423, AL590043, AL648567, AL500706, AL445237, AL491776, AW151138, AL521560, AL889189, AL500662, AL582912, AL284509, AW172723, AL539800, AL440263, AL889168, AL538885, AL866573, AL633493, AL434256, AL866469, AL805769, AL434242, AL888661, AL284513, AL500714, AL888118, AL285439, AL436429, AL859991, AL889147, AL355779, AL623736, AL371228, AL581033, AL440252, AL491710, AL610557, AL860003, AL242736, AL828574, AL887499, AL539781, AL539707, AL702065, AL885949, AL042420, AW089557, AL559957, AL521571, AL042802, AL469775, AL866581, AL815150, AL567953, AL446495, AL433157, AL047092, AL890907, AL561170, AL927233, AL432656, AL043166, AW151979, AL042745, AL285419, AL554821, AL042741, AL432653, AL431323, AL431321, AL431315, AL371251, AL039390, AL866510, AW081103, AL289791, AL866461, AL923046, AL690948, AL045620, AL047037, AL042523, AL521596, AL440238, AL046681, AL499581, AL539863, AL079977, AL366900, AL866820, AW197139, AL923061, AL275175, AL045500, AL042551, AL582926, AW058275, AL499463, AL610362, AL119748, AL434222, AL440239, AL042744, AL274759, AL537273, AL436456, AL371265, AL963846, AL567940, AL610357, AL817244, AL612913, AL285826, AL863014, AL355765, AL521594, AL499512, AL433976, AL042365, AL889133, AL538881, AL048403, AL288281, AL039276, AL282268, AW087954, AL355017, AL434255, AL047422, AL043278, AL434223, AL285432, AL697243, AL671642, AL610429, AL628850, AL433968, AL476086, AL537187, AL433155, AL042944, AL045163, AL539632, AL889148, AW118237, AL439995, AL539847, AL521465, AL285853, AL042538, AL872300, AL554827, AL863357, AW172745, AL354998, AL863197, AL567944, AL042865, AL567935, AL805762, AL610426, AL043295, AL867068, AW080700, AL046990, AL355008, AL431246, AL271234, AL042572, AL610402, AL567971, AL042377, AL042557, AL538878, AL888665, AL432654, AL366910, AL049859, AL432650, AL866457, AL499555, AL042842, AL567954, AL537191, AL866491, AL654276, AL567993, AL499915, AL499508, AL817373, AL872315, AL048390, AL273179, AL284515, AL031667, AL133053, AL122101, AL133049, AL133074, AL133076, Y10655, AL137267, AL122049, A85203, AR034821, Y17793, AF113694, AL049423,

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HEOQM83	2199	850964	1 - 588	15 - 602	AA341080, AW249300, AW392934, AA773513, AA176554, W93722, A1597867, AC006252, Y17169, and AL136773.
HEOQN06	2200	934202	1 - 759	15 - 773	AA774831.
HEOQN15	2201	864110	1 - 211	15 - 225	
HEOQN87	2202	850957	1 - 454	15 - 468	AA680243, A1732120, AA453558, AW406162, AA938105, AA679936, T40452, AA601908, AA806796, AA205915, AA774222, AL121235, AA347241, AL046457, D82290, AA496508, D82542, AA836811, AL048125, A1110760, A1924251, AA524821, AA309841, AL079869, AA533303, R70821, A1799545, N23649, T74382, A1093030, A1133297, AA508359, AA483223, A1038990, AW075511, H71429, AA722372, A1816537, AA747777, AW245747, AA846952, T07249, AL036037, AW438555, A1284640, AA587604, AA605272, AW248847, AA502104, A1754955, AA580808, A1270117, AW023990, AA584167, N27329, AA702729, AA632868, AA496260, AA652057, AA324849, AA837655, A1274692, AA613232, AW303196, AW274349, AL038705, AA224525, AA214342, AW301350, AA992351, A1583283, A1334443, AW419262, A1370074, AA503015, AL041706, A1431303, AW193265, AL046205, AL041690, A1350211, AW072923, AA584581, A192740, AW302013, A1631119, A178953, AA810269, A1744826, AA634889, AA613227, AA632612, A1720702, AW128900, AW128884, AW088224, AL046409, A1370094, A1364020, C06151, AA613203, A1364026, AA658362, AA834713, A1281881, AA614070, AA828712, AA568341, AW301302, A1572924, AW088058, AW021583, AA526787, R95139, AA618412, AL049490, A1499938, AA493621, AA568862, A1819574, AA847499, A1473475, AA478355, AW438643, AW276435, A1432270, A1919265, AA834755, AA490183, AW022406, AA513136, A1537506, A1053672, AW274346, AW245325, AA493136, AA847952, AA515440, AW270382, AA649604, AA804962, AW410400, AA367986, AA483771, AA856954, AA366312, AL119691, AW021207, T41247, AP001038, U07562, AC002301, AC004690, Z98036, AF109907, AF196779, AL023494, AC005324, AL049776, AC009516, AC007686, AL035587, AL031846, AC004858, AC005406, AF088219, AC007298, AL022476, AC004854, AC007243, D87675, AC006359, AP000352, AL050321, AL034420, AC005231, AC008072, AC005274, AL096769, AP000088, AC004675, AP000240, Z86090, AC004517, AL035681, Z98884, AP000553, AL008718, AC002365, AC003085, AC005725, AL117258, AC000358, AC006285, AC007136, AL022329, U96629, AC007051, AC000353, AC006965, AC004671, AC005763, AC006486, Z92845, AC008372, AL020995, AC007955, AC002418, AC007688, AC004848, AC004386, AL031584, AC007283, AL049829, AL049832, AC004019, AC003035, AC002119, AC007041, AC005907, AL122020, AL034548, AC006275, AL121603, AC000052, AC009069,